



# MCKRU

Mir Chakar Khan Rind University Sibi

Forever Learning , Through Knowledge and Hardwork

## Personal Details

**Full Name:** Dr. Umed Ali  
**Designation:** IPFP Fellow  
**Department:** Department of Agriculture  
**Faculty:** Faculty of Agriculture  
**Contact Number:** +92334-2025674  
**Email address:** ualilaghari@hotmail.com  
**Qualification:** Doctor of Philosophy in Crop Genetics and Breeding  
**Date Awarded:** 25-06-2019  
**Awarding Institute:** Graduate School of Chinese Academy of Agricultural Sciences  
Beijing, China



**Subject areas:** Introduction to Agriculture, Introductory Genetics, Field Crop Production I and II, Introductory Plant Breeding, Genetics of Field Crops, Cytogenetics, Breeding of Cereal, Pulse and Forage Crops, Arid-zone Agriculture, Biological Nitrogen Fixation, Fundamentals of Weed Science, Farming Systems and Farm Records, Crop Nutrients and Growth Regulators, Environment and Crop Production, Seed Science and Technology, Irrigation Agronomy, Stress Physiology, Agronomic Research and Scientific Writing.

## Personal Achievements and Interests:

Dr. Umed Ali is currently working as IPFP Fellow at the department of Agriculture, Mir Chakar Khan Rind University (MCKRU), Sibi, Balochistan. He was awarded Chinese Government Scholarship to pursue his PhD degree from highly reputed agricultural institute of China. Dr. Ali was awarded "Best Teacher" among the 623 candidates during the Micro-teaching session of "National Faculty Development Program (NFDP)" organised by Higher Education Commission (HEC) of Pakistan. He has earned a Start-up Research Grant Project, worth of Rs. 1.0 million PKR from HEC Pakistan. He has participated in many national and International trainings, conferences, symposiums and workshops online as well as in person. He has published 22 research publications in well reputed journals of the world. He works in the field of "Abiotic Stress tolerance in field Crops". His research areas of interests are "Nutrient Management, Heavy Metal Tolerance, Drought Stress, Heat and Cold Stress" of field crop plants.

## QUALIFICATIONS

**Qualification:** Degree Title (M.Sc. (Agri) Hons. in Agronomy)  
Master of Science (Agriculture) Honours. in Agronomy  
**Date Awarded:** 09-02-2016  
**Awarding Institute:** Sindh Agriculture University  
Tandojam, Sindh

---

**Degree Title (B.Sc. (Agri) Hons. in Agronomy)**  
**Qualification:** Bachelor of Science (Agriculture) Honours. in Agronomy  
**Date Awarded:** 19-07-2013  
**Awarding Institute:** Sindh Agriculture University  
Tandojam, Sindh  
**HEC Approved Supervisor:** No

---

## WORK EXPERIENCE DETAILS

**Dr. Umed Ali is working as IPFP fellow at the Department of Agriculture, Mir Chakar Khan Rind University, Sibi, Balochistan from February 2021 to till date.**

Dr. Umed Ali is well equipped in teaching modern technologies in Agriculture. He can teach the subjects of both Agronomy and Plant Breeding and Genetics (PBG) very well due to his specialization in both fields. He has taught "Field Crop Production-I (AGR-302) and Introductory Genetics (PBG-302) to the second semester students of department of Agriculture, Mir Chakar Khan Rind University (MCKRU), Sibi. He is well confident in teaching bachelor, masters and PhD students of department of Agriculture, MCKRU, Sibi.

Dr. Ali has participated in various online and in person training programs for the teachers of HEIs such as National Faculty Development Project (NFDP) organised by HEC Pakistan, Action Research in Education organised by Metas Adventist College, Gujarat and Contextualized Teaching and Learning organized by Encouragement Eduserve.

---

## Publications in HEC Recognized Journals:

S. No	Title of Paper	Name of Journal	National/ International	Publication Date
1.	Analysis of genomic regions for crude protein and fractions of protein using a recombinant inbred population in Rice ( <i>Oryza sativa</i> L.)	Journal of Taibah University for Science	International	08/07/2021
2.	Integrated management of NP fertilizers can boost the growth and yield of Sunflower ( <i>Helianthus annus</i> L.)	Plant Archives	International	21/04/2021
3.	Potassium Management for the Improvement of Growth and Yield of Grass Pea ( <i>Lathyrus sativus</i> L.)	International Journal on Emerging Technologies	International	02/03/2021
4.	Resistant Cultivars of Safflower <i>Carthamus tinctorius</i> based on Yield Performance and Infestation against <i>Acanthiophilus helianthi</i> (Diptera: Tephritidae)	International Journal on Emerging Technologies	International	27/02/2021
5.	Salinity Stress – A Threat to Rice Production, Breeding Approaches to Develop Salinity Tolerance in Plants	Mehargarh Journal of Science and Technology	National	20/02/2021
6.	The effect of exposure to cadmium on the microRNAome, the degradome and the transcriptome	Plant Growth Regulation	International	19/10/2019

	of rice seedlings			
7.	The influences of pH on cadmium accumulation in rice ( <i>Oryza sativa</i> L.) seedlings	Journal of Plant Growth Regulation	International	11/10/2019
8.	Analysis of Genomic regions governing cooking and eating quality traits using a Recombinant Inbred population in Rice ( <i>Oryza sativa</i> L.)	International Journal of Agriculture and Biology	National	20/08/2019
9.	Mapping quantitative trait loci associated with paste viscosity attributes in double haploid population of rice ( <i>Oryza sativa</i> L.)	Journal of Integrative Agriculture	International	13/05/2019
10.	Statistical Analysis of Cotton Cultivated Area, Production and Price	International Journal of Statistics and Probability	International	17/08/2018
11.	Proliferation, Multiplication and Improvement of Micro-Propagation System for Mass Clonal Production of Rose through Shoot Tip Culture	American Journal of Plant Sciences	International	31/01/2018
12.	Growth and yield performance of different wheat genotypes under various potassium levels	International Journal of Bioscience	International	14/05/2017
13.	Effect of NPK and Boron on growth and yield of wheat variety TJ-83 at Tandojam soil	Advances in Environmental Biology	International	20/10/2016
14.	Evaluating right timing and splitting nitrogen application rates for enhanced growth and yield of sunflower	European Academic Research	International	01/10/2016
15.	Growth and yield response of five elite grass pea ( <i>Lathyrus sativus</i> L.) genotypes to varying levels of potassium	Sarhad Journal of Agriculture	National	26/08/2016
16.	Growth and yield response of wheat ( <i>Triticum aestivum</i> L.) as affected by foliar application of zinc	Science International (Lahore)	National	15/07/2016
17.	Cultivation of Rose ( <i>Rosa indica</i> L.)	Journal of Floriculture and Landscaping	International	13/05/2016
18.	Modern leaf colour chart successfully prepared and used in crop production of Sindh, Pakistan	European Academic Research	International	01/05/2016
19.	An over view on various weed control practices affecting crop yield	Journal of Chemical, Biological and Physical Sciences	International	15/11/2015
20.	Invent of SAU-GROWTH METER for the production of wheat crop ( <i>Triticum aestivum</i> L.)	European Academic Research	International	01/09/2015
21.	Influence of sustainable source of nutrient on growth and yield of sunflower ( <i>Helianthus annus</i> L)	Journal of Plant Stress Physiology	International	19/07/2015
22.	Introducing leaf color chart in agriculture of Sindh	Journal of Plant Stress Physiology	International	14/07/2015