

**QUAID-I-AZAM UNIVERSITY ISLAMABAD**  
**OFFICE OF RESEARCH INNOVATION & COMMERCIALIZATION**  
**SUBMITTED RESEARCH PROJECTS AT Q.A.U**

**Department of Plant Sciences**

<b>S #</b>	<b>Name of Principal Investigator</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Duration/initiation Date</b>	<b>Total Grant (Rs.)</b>	<b>ORIC Number</b>
1	<b>Dr. Mushtaq Ahmed</b>	“Taxonomic and nutritional studies of wild edible fruits used by the local communities of north Pakistan”	HEC	3-3-2011 (3 years)	10.002 million	P. Sci-0001
2	<b>Dr. M. Tariq Javed</b>	“Physiological characterization of wild plants for treatment of industrial waste water”	HEC	27-2-12 1 Year	0.5 million	P. Sci-0002
3	<b>Dr. Tariq Mahmood</b>	“Characterization of OsRGLP1 Gene Promoter for its Functional Importance”	HEC	4-3-2011 2 Years	5.871 million	P. Sci-0003
4	<b>Dr. Tariq Mahmood</b>	“Characterization of Wheat D-genome resynthesized Genetic resources for Nutritional quality attributes to facilitate Genome wide association Analyses	IFS	6-10-11	USD 11800	P. Sci-0004
5	<b>Dr. Tariq Mahmood</b>	“Establishment of Phylogenetic Relationship in Apocynaceae based on both nuclear and plastid molecular”	HEC	29-9-11 1 Year	1.61 million	P. Sci-0005
6	<b>Dr. Tariq Mahmood</b>	“Characterization of a rice polyphenol oxidase gene promoter”	HEC	27-9-11	1.346 million	P. Sci-0006
7	<b>Dr. Mir Ajab Khan</b>	“Taxonomic significance of pollen flora and allergy causing plants of northern Pakistan”	HEC	3-3-2011 (3 years)	11.364 million	P. Sci-0007
8	<b>Dr. Asghari Bano</b>	“Production of Bioethanol as renewable energy from wild species of Agave in Pakistan”	3 EZ consultants	5-10-12 2 Years	4.0 million	P. Sci-0008

9	<b>Dr. Tariq Mahmood</b>	“In vivo evaluation of an anti sense polyphenol oxidase gene construct under the control of a wound inducible promoter”	PSF	11-6-12 2 Years	2.685 million	P. Sci-0009
10	<b>Dr Tariq Mahmood</b>	“Biochemical and molecular characterization of Glu-1 and Glu-3 loci in D-genome synthesis hexaploid wheats and their advanced derivatives”	HEC	13-3-12 1 Year	4.67 million	P. Sci-001-
11	<b>Dr. Tariq Mahmood</b>	“Overexpression of a drought responsive Transcriptional Factor in Wheat for drought Tolerance”	HEC	5-11-12 2 Years	7.832 million	P. Sci-0011
12	<b>Dr. Zahid Ali</b>	“Screening and interaction studies of salt tolerant plant growth promoting rhizobacteria with transgenic and non transgenic pea ( <i>Pisum stivum L.</i> )”	HEC	22-8-11 9 months	0.5 million	P. Sci-0012
13	<b>Dr. Wajid Nasim</b>	“Modeling the impact of different nitrogen, rhizobium and CO <sub>2</sub> regimes on growth, development and yield of sunflower under natural conditions using crop growth model (DSSAT)”	HEC	23-2-2011 (7 months)	0.5 million	P. Sci-0013
14	<b>Dr. Asghari Bano</b>	Role of PGPR Bioinoculants on soil reclamation and growth, yield and nutritive qualities of wheat and rice in saline field”	PSF	19-3-12 2 Years	3.47 million	P. Sci-0014
15	<b>Dr. Asghari Bano</b>	“Genetic engineering of pathogenesis-related(PR) proteins to create biotics stress resistance in commercially important cotton varieties of Pakistan”	HEC	15-3-12 3 Years	6.4 million	P. Sci-0015
16	<b>Dr. Sabaz Ali Khan</b>	“Metabolic profiling of tomato for health beneficial flavonoids”	HEC	14-3-12 1 year	0.5 million	P. Sci-0016
17	<b>Dr. Hassan Javed Chaudhary</b>	“ Isolation and molecular characterization of plant colonizing, bacteria and their utilization as plant	HEC	11-9-11 2 years	6.613684 5 million	P. Sci-0017

		growth promoter and bio control agent”				
18	<b>Dr. Umar Masood</b>	“Virus induced gene silencing for tiller inhibition gene in bread wheat”	HEC	4-10-12 1 years	0.5 million	P. Sci-0018
20	<b>Dr. Asghari Bano</b>	Role of PGPR Bioinoculants on soil reclamation and growth, yield and nutritive qualities of wheat and rice in saline field”	PSF	18-8-11 3 years	3.47 million	P. Sci-0019
21	<b>Dr. Asghari Bano</b>	Modulation of hormone production by PGPR isolates from various agroecological zones and their implication to alleviate salt and high temperature stresses”	HEC	13-10-11 3 years	9.917 million	P. Sci-0020
22	<b>Syeda Asma Bano</b>	“To determine the mechanism of uptake of phosphorus in a mycorrhizal mutant. Characterization of MtPT4, Mithal and ram I genes under stress conditions (drought and salinity conditions)”	HEC (IPFP)	23-8-11 7 to 9 months	0.5 million	P. Sci-0021
23	<b>Dr. Muhammad Farooq Hussain Munis</b>	“Genetic engineering of Pathogenesis-related (PR) proteins to create biotic and abiotic stress resistance in commercially important cotton varieties of Pakistan”	HEC	3-8-11 3 Years	7.31975 million	P. Sci-0022
24	<b>Dr. Muhammad Shahzad</b>	“Association between a rise in tomato leaf apoplastic Na <sup>+</sup> and growth reduction in the initial phase of salinity stress”	HEC	11-6-12 1 Year	0.5 million	P. Sci-0023
25	<b>Dr. Sabaz Ali</b>			15-4-12		P. Sci-0024
26	<b>Dr. Asghari Bano</b>		HEC	21-3-11 2 Years	2.536 million	P. Sci-0025
27	<b>Dr. Umer Masood Qureshi</b>	“Combined genomic and genetic approaches for biofortification of bread wheat	IFS	25-1-12	12000 USD	P. Sci-0026
28	<b>Dr. Tariq Mahmood</b>	“Inhibition of Cold Induced Sweetening in Potato”	Pak- US	3-12-12	73,715 USD	P. Sci-0027

29	<b>Dr. Asghari Bano</b>	Study of chintinase gene in Pakistani wheat varieties to elucidate its role against <i>Helminthosporium sativum</i>	PSF	27-8-2013	1.99 million	P.Sci-0028
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