

RESEARCH

ALL INDIA NETWORK RESEARCH PROJECT ON ARID LEGUMES COLLEGE OF FOOD TECHNOLOGY VNMKV, PARBHANI

Brief history about the center

From 1995, AICRP on Arid legumes VNMKV, Parbhani Marathwada Agriculture University, Parbhani was fully engaged in field trials of different varieties of guar and investigation of quality attributes of arid legumes on a voluntary basis. In 1995, ICAR, New Delhi has sanctioned full fledged AICRP Centre on Arid Legumes vide Lt. No. 26(5)/92-F-C. II dt. 15th Sept. 1995 to our department which played a vital role in the quality evaluation of different varieties of arid legumes which resulted in the identification of varieties of guar, horse gram, moth bean and cowpea.

Mandate/ Objectives of the center

- **Mandate Crop of Project:**Guar, Cowpea, Horse gram and Moth bean
- **Mandate Objectives of the Project:**

1. Field experimental trial of genotypes received from Coordinator IPR, Kanpur.

- i. Initial Varietal Trial of Guar
- ii. Initial Varietal Trial of Cowpea

2. Quality analysis of samples received from different centers of arid legumes in India.

Quality Parameter analyzed at Parbhani center

a. Guar:

- i. Carbohydrate (%)
- ii. Endosperm (%)
- iii. Gum (%)
- iv. Viscosity (%)

b. Cowpea, Horse gram and Moth bean

- i. Protein (%)
- ii. Cooking Time(min)

- **Arid Legumes center commonly send their samples for analysis**

Parbhani, Durgapura, SK Nagar, Jodhpur, Bikaner, Pattambi, Gwalior and Bangalore

1. Research achievements

- Method developed for extraction of gum from guar seeds.
 - Development of traditional , value added processed food products of arid legumes
 - Beneficial for development of emerging budding scientist
 - Transfer of technology to the farmers, small entrepreneurship and stake holders
- **Special Awards and Achievements:**
 1. AICRP on Arid Legumes, VNMKV, Parbhani center is received **Center of Excellence for Quality Aspects.**
 2. AICRP on Arid Legumes, VNMKV, Parbhani center is received **The Chaudhary Devi Lal Outstanding All India Coordinated Research Project Award** for the year 2008 by ICAR, New Delhi.
 3. Member of National Level Varietal Identification Committee of AINRP on Arid Legumes, Kanpur.

2. Staff position details

Sr. No	Name of the Post / Cadre	No of Post			Name of the Officer Holding the Post
		Sanctioned	Filled In	Vacant	
1.	Principal Investigator (Additional charge)	-	-	-	Dr. K. S. Gadhe (HOD, Dept of FCN, CFT, VNMKV,Parbhani)
2.	Senior Scientist	1	1	---	Dr. V. S. Pawar
3.	Scientist	1	1	-	Dr. P. U. Ghatge
4.	Field Assistant / T-I	1	1	---	Mrs. C. K. Bhokre