

Research Projects are Completed

Sl. No.	Title	Funding Agency	Budget (Rs.)	Degree of responsibility	Period (from-to)
1.	Documentation evaluation and modification of Hand tools to reduce drudgery for farmwomen in agricultural operations.	Watershed project, Karnataka State	11 Lakh	Co PI	2006-07
2.	Testing modification and evaluation of improved groundnut seed drill in central dry Zone of Karnataka	UAS, GKVK, Bangalore	30000	PI	2006-07
3.	Watershed (NWDPR) Programme (on farm trial)	UAS, GKVK, Bangalore	20000	PI	2006-07
4.	The efficient use of saline water for Agriculture crops by adopting Israel technology in central dry Zone of Karnataka.	State Dept. Agriculture	1,29,000	CO PI	2005-06
5.	Evaluation and popularization of UAS hand operated Groundnut decorticator in central dry Zone of Karnataka	UAS, GKVK, Bangalore	1 Lakh	PI	2006 - 2008
6.	Popularization and evaluation Banana Pseudo stem extraction machine in Chitradurga Dist	UAS, GKVK, Bangalore	55000	PI	2006-07
7.	Harvest and post harvest mechanization for groundnut cultivation	RKVY, Govt. of India	8,11,000	PI	2011-12

Research Project ongoing

Sl. No.	Title	Funding Agency	Budget (Rs.)	Degree of responsibility	Period (from-to)
1.	Establishment of model watershed for natural recourse conservation, focusing to improve the socio economic states of small and marginal farmers and rural poor in Chitradurga Dist	Karnataka State Dept. of Watershed	100000	Principle Investigator	2007-08
2.	Study of the banana pseudo stem fiber extraction and preparation of geo textiles, organic manuring and their economic utilization.	UAS, GKVK, Bangalore	63000	Principle Investigator	2008-09
3.	Design, development and evaluation of agriculture machinery for higher productivity through farm mechanization.	RKVY, Govt. of India	50,00,000	Principle Investigator	2009-10
4.	Livelihood security of rural poor in disadvantage Chitradurga district of Karnataka through integrated farming system approach	NAIP. Govt. of India	3,51,01,106	Co-Principle Investigator	2009-13
5.	Establishment of silt monitoring units and hydrological stations in integrated watershed development project	KSWD, Govt. of Karnataka	10,00,000	Principle Investigator & District Scientist	2010 - 2011

Research Papers/ Publications

Sl. No.	Title	Funding Agency	Budget (Rs.)	Degree of responsibility	Period (from-to)
6.	Establishment of agriculture implement work shop / service center to the farming community	RKVY, Govt. of India	2,00,00,000	Principle Investigator	2012-13
7.	Integrated farming system demonstration (IFSD)	RKVY, Govt. of India		Principle Investigator	2011-12
8.	Precision farming techniques for selected field crops	RKVY, Govt. of India	65,00,000	Principle Investigator	2012-13
9.	Fabrication, popularization and sale of UAS hand operated groundnut decorticator	UAS, Bangalore research grant	1,00,000	Principle Investigator	2010-13
10.	Design and fabrication, popularization sale of cycle weeder, maize sheller and castor sheller machine	UAS, Bangalore research grant	2,00,000	Principle Investigator	2012 - 2013

Details of Trainings/Study visits at National or International level (more than 15 days) during the last 5 years.

Area of Training	Host Institute	Name of Sponsor	Year & Period (from-to)	Remarks
Watershed	ICAR Research complex for NEH Region Barapani, Megalaya	ICAR, New Delhi	5th Sept. to 25th 2006	
Post Harvest	UAS, Bangalore	ICAR, New Delhi	21st July to 5th Oct. 2004	
Watershed planning	PDKV Akola Maharashtra	ICAR, New Delhi	9th Oct 30 Oct 2005	

Other Activities

Resources scientist of bimonthly workshop of Chitradurga Dist.

Establishment of Agro processing center at Alur Village, Hiriyr tq.

Establishment of water shed model at ZAHRS, Hiriyr

Land to develop play ground in Horticulture College, Hiriyr.

Members of sales and purchase committee.

In-charge Farm Superintended of the Farm

Resource scientist of agriculture engineering in Chitradurga dist.



Income generating activities

Arecanut plates making machine was given to annapooaeshwari mahila sanga, Babbur Farm, Hiriyyur

Groundnut decorticator and cycle weeder implements manufacturing procurement and sale.

Castor sheller and maize sheller machine.

Technology released, commercialization and pipe line

Design and development of groundnut decorticator Models – 2, 3, 4, 5, 6, 7, 8, 9, 10, 11,12

Design and modification of castor sheller Model – 7

Design and modification of maize sheller Model – 1 and 2

Design and modification of cycle weeder Model – 1 and 2

Design and modification of seed drill Model – 1 and 2

Design and modification of groundnut digger

Design and modification of banana fiber extraction machine

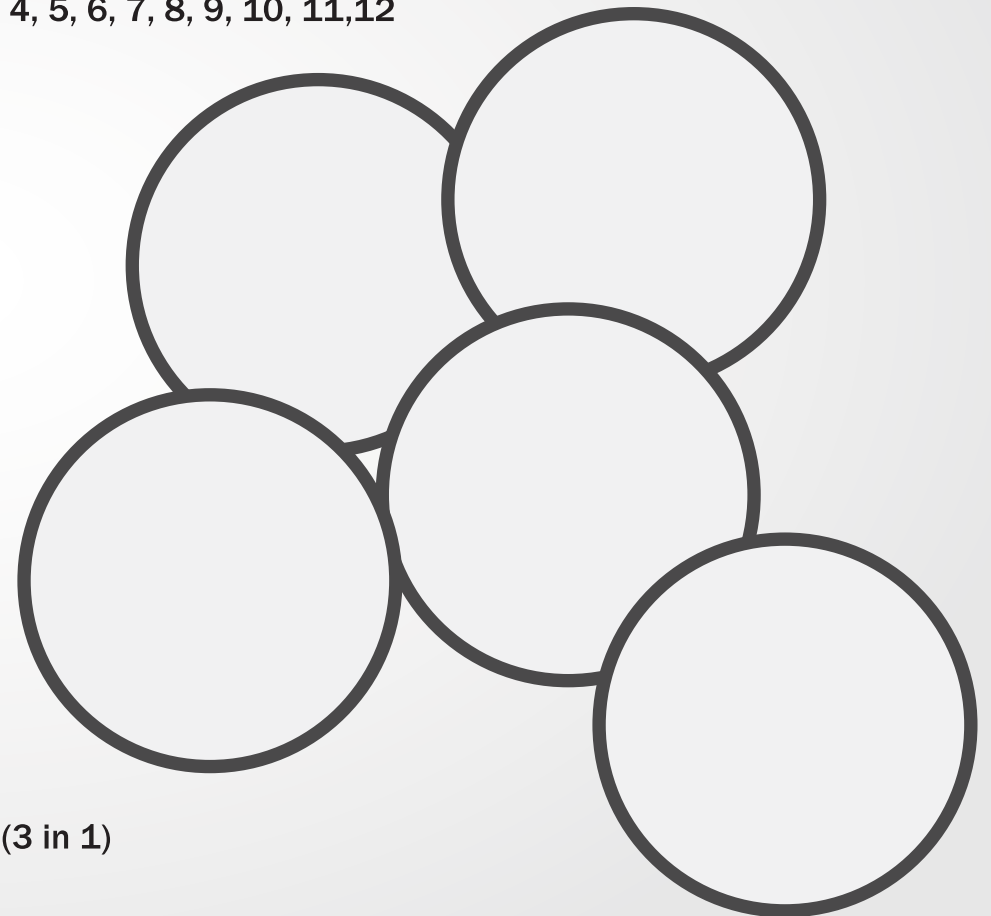
Design and modification of groundnut wet pod thresher

Design and modification of groundnut seed grader

Design and modification of groundnut pod grader

Design and modification of sunflower roto-cutter

Design and modification of multipurpose bullock drawn cultivator (3 in 1)



TV coverage's

DD-1 Chandana

Use of hand operated groundnut decorticator Model -4

Use of hand operated cycle weeder

E-TV Kannada

Use of hand operated groundnut decorticator Model -4

Use of hand operated cycle weeder



Developing multi-media DVD's on Agriculture technology / enterprises in RKVY projects documentary

- Uses of hand operated groundnut decorticator all models
- Use of Cycle Weeder
- Groundnut Mechanization

a) Decortication b) Cultivation c) Sowing d) Weeding e) Spraying f) Groundnut digging g) Groundnut harvesting

Declaration

I, Dr. Sharanappa Jangandi, Associate Professor (Agril. Engg.), ZAHRS, Hiriyur is hereby, declare that all the information provided by me in this proforma are true to best of my knowledge. I would provide the original documents if required.

Date: 15.10.2014

Place: Hiriyur

Signature

