

Swachta Hi Seva Abhiyan in operational villages.



Publications 2001 to 2018



Research papers/ Chapters	Research Abstracts	Technical Articles	Booklets	Folders	Modules / Manuals
20	15	24	06	11	02



Up scaling & Dissemination of 4179 technologies to farmers, institutes and entrepreneurs during 2012-2018



Research Work Recommended at State Level

Cotton Picking Apron (2002-2003)

Use of Apron, scuf and Finger blades while performing cotton-picking activity reduces drudgery in cotton picking.

Trishul Weeder (2004-2005)

Light in weight, simple fabrication design and easy to operate design cover 94 per cent more area as against the traditional method.

Gopal Khore (2007-2008)

Dung collector to reduce drudgery and time of women involved in dairy enterprises.

Revolving Milking Stand and Stool (2008-2009)

Revolving Stand and Stool for milking to reduce drudgery and loss of milk.

Trainers' Training Module (2009-2010)

The technical module entitled 'A Trainers' Training Module on Drudgery Reducing Technology interventions for Women in Agriculture' to prepare Master trainers to popularize the use of women friendly technologies amongst farmwomen for drudgery reduction.

Tailoring Table (2010-2011)

Tailoring table for the reduction of drudgery of women involved in Tailoring activities.

Okra and Brinjal Mittens (2011-2012)

Okra and brinjal mittens for drudgery reduction of farmwomen while harvesting vegetables and to increase Post work output etc.



Katzen (2012-2013)

Katzen for flour mill workers (comprise of Dust controlling bag, personal protective mask & flour preser) to protect flour mill workers from noise and dust pollution and for drudgery reduction.

Soybean Mittens (2013-14)

Mittens are recommended for increasing work efficiency, prevention of hand injuries and reduction of drudgery of farm workers involved in soybean harvesting activities.

Sulabha Bag (2014-15)

Sulabha bag for performing manual fertilizer application activity efficiently in the field.

Customized Flower Harvesting Bags (2017-2018)

Customized 3 bags and a basket for collecting loose roses, cut roses, garlands and arranged flowers for work efficiency and drudgery reduction of farm workers

Grain Picking Tool (2017-2018)

Rectangular tray made up of MS Galvanized steel with two handles for work efficiency and drudgery reduction of worker in filling up grains

Intervention Package and Work Station Layout for Papad & Vermicelli Production Enterprises (2018-19)

Refined and worked work station layout for Papad & Vermicelli production enterprises for improving efficiency of women workers



AICRP - Family Resource Management Drudgery Assessment and Mitigation through Gender Friendly Tools



Goal of the Scheme

To enhance the work efficiency and health status of farm women by introducing women friendly drudgery reducing technologies for house hold farm and allied activities

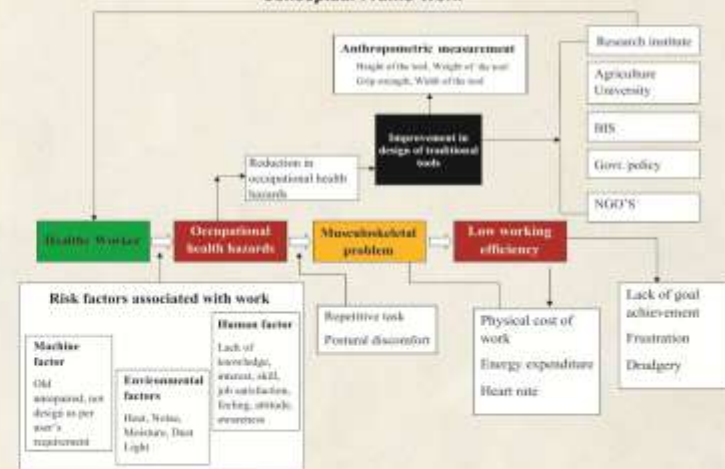
Thrust Points

- Identification of drudgery prone activities performed by rural women of Maharashtra
- Assessment of physiological work load of rural women while performing the drudgery prone activities
- Exploration of available technologies on reducing the drudgery of women workers
- Testing the available technologies on women worker in terms of drudgery reduction and making recommend to make these women friendly

Designed & Tested Improved Technologies for Drudgery Reduction

- Dibbler
- Apron for Cotton Picking
- Eared cutter
- Trishul Weeder
- Gopal Khore
- Revolving Milking Stool and Stand
- Tailoring Table
- Brinjal Harvesting Mittens
- Okra Harvesting Mittens
- Head Load Manager
- Soybean Harvesting Mittens
- Soral Khurpi
- Hand Rake
- Cotton Stalk Puller
- Cot Bag
- Noise and Dust Controlling Mask
- Fertilizer Application bag (Sulbha Bag)
- Flower Harvesting bags (4 types)
- Grain Picking Tool
- Improved Weeder
- Sapling Trans-planter
- Sapling Carrier

Conceptual Frame Work





Achievements (1997 - 2018)

- Completed the inventory of household, farm and allied activities performed by rural women of three agro climatic zones of Maharashtra.
- Identified drudgery prone activities in Home, farm and allied fields.
- Designed and developed women friendly technologies for farm and allied activities such as Cotton picking apron, Trishul weeder, Gopal khore, sared cutter, revolving milking stool and stand, vegetable and soybean harvesting mittens, kiazan for floor mill workers, multipurpose tailoring table, Fertilizer carrying bag (Sulbha bag), sapling carrier, grain bag filling tool. developed 4 customized bags for harvesting flowers
- Evaluated suitable technologies /tools to minimize the drudgery such as hand rake, cotton stalk puller, navin dibbler, head load manager, cat bag, saral khurpi, sapling trans-planter.
- Completed the assessment of cardio-vascular, muscular and physiological stresses of rural women while performing the activity- uprooting of cotton stalks, collection of stalks and stubbles and weeding, dibbling, cotton picking, weeding, uprooting, collection of stubble, collection of dung and milking activity, vegetable, soybean & Jowar harvesting, flour milling, tailoring, trans-planting, fertilizer application, grain picking and flower harvesting performed by farm women in existing and improved conditions.
- Developed and tested trainers' training module on 'Drudgery reducing technology intervention for women in agriculture.'
- Successfully transferred technologies such as solar cooker, maize sheller, apron for cotton picking, Trishul weeder, Gopal khore, Vaibhav sickle and groundnut decorticator, revolving milking stool and stand, vegetable and soybean harvesting hand wears, Sulbha bag and flower harvesting bags in villages.
- Established a resource center in adopted village for transfer of technology.
- Successfully carried out demonstration of soak pit in three selected villages of Parbhani district with the financial assistance from Ministry of environment and forest, Govt. of India under NEAC programme through RRA BAIF Pune.
- Established a Physical fitness clinic in the Department for men and women on payment basis.
- Completed an intervention programme on 'Acceptability of saral khurapi- an improved weeding tool , adoption of apron for cotton picking and Acceptability of newly developed weeder
- Completed the benchmark survey of selected villages through participatory rural appraisal with respect to health hazards of women in agriculture and existing knowledge and practices regarding drudgery reducing technologies.



- Characterization of drudgery of women in the production environment such as Cotton, Soybean, Sugar Cane, Ground Nut, Bengal Gram and assessment of technology packages in mitigating drudgery



- Ergonomics for Work Improvement and Gender Equity in Agro-Enterprise
 1. Explored and enlisted the associated occupational health hazard and safety related interventions in selected women centered agro enterprise Papad and vermicelli making.
 2. Recommended and evaluated ergonomic interventions to minimize work hazards of women in the selected agro-enterprise Papad and vermicelli making.



- Mass media programmes, exhibitions and kisan melawas for benefitting farmers and community.



- Worked in collaboration with government agency ATMA for 3 years by conducting capacity training programmes at 6 villages from Parbhani district (Total beneficiaries :465)



- Organized two Capacity building workshop for KVK Home scientists of Maharashtra state during 4-6 Feb. 2010 and 22-24 September 2016

