

## **Department of Family Resource Management**

The department aims to create awareness for resource environments of family systems in India and to prepare students to effectively assist rural-urban households in resource generation and allocation issues. It provides necessary theoretical background and analytical tools to undertake financial management and to make wise consumer choices. The academic programmes intend to impart understanding of the concept of aesthetically and functionally efficient dwellings as well as to make students aware of the ergonomic principles in relation to household, equipment, occupations in residential and commercial setting and its management. It aims to develop entrepreneurship skills in students in terms of self-employment and micro-enterprise management.

### **Facilities**

- Ø Art and Interior Decoration Laboratory
- Ø Training and Production Laboratory
- Ø Household Equipment Laboratory
- Ø Ergonomics Laboratory
- Ø Vocational Laboratory

### **Research Areas**

- Ø Resource management
- Ø Occupational Ergonomics and Safety Principles
- Ø Women's Empowerment and Gender studies
- Ø Family and Environment
- Ø Consumerism
- Ø Traditional art and craft

### **Extension Activities**

- Ø Non-conventional energy utilization and related technologies
- Ø Trainings for enhancement of income generation skill
- Ø Training on handicrafts
- Ø Exhibitions on interior decoration / interior enrichment
- Ø Exhibitions on consumer consciousness
- Ø Training on work station design
- Ø Preparation of extension material on drudgery reduction technologies and technologies to reduce stress/ injuries in work

### **Research Projects Undertaken**

- Ø All India Co-coordinated Research Project on "Resource management for farm families"

- Ø A study on gender role differentiation in farm households
- Ø Ergonomic assessment of farm activities performed by women farmers of farm households of hill region of Uttar Pradesh
- Ø A study of selected consumer products quality and marketing in two types of village markets in Lalkuan
- Ø Assessment of water quality and water management problems in Lauhriasal- Malla village
- Ø Study of existing rural housing conditions and effecting improvements in household activities
- Ø Study of family resource management of rural households and impact of adoption/non-adoption of appropriate management of technologies on the selected resources
- Ø A study to evaluate the performance of smokeless *chulha* installed and satisfaction derived from use by the labour class families of Pantnagar
- Ø A study of kitchen design for home effectiveness among selected rural families
- Ø Extent and determinants of child labour in rural areas of Haldwani block
- Ø To study the efficiency of three different fireless cookers with three insulators
- Ø To study the energy requirement of rural households
- Ø A comparative study of household storage methods
- Ø Testing efficiency of Mamta smokeless *chulha* and its acceptability in the villages of hill region
- Ø To survey the existing skills and needs of rural women in preparation for taking up income generating activities in Uttar Pradesh
- Ø Accessibility and availability of credit to rural women and its impact on their economic status
- Ø Empowerment status of women in management of farm households in hill region of Nainital District
- Ø A study of work analysis in existing kitchens of rural homes in Nainital District
- Ø A study of female headed households in two districts of Uttar Pradesh
- Ø Ergonomic assessment of farm activities performed by women of farm households in hill region of Nainital District
- Ø Ergonomical evaluation of critical activities and work-rest allowance for women farmers
- Ø Studies on occupational disorders of farm women and measures for their control in Haldwani block
- Ø Impact of Packaging Material on Health and Environment
- Ø Home Automation Technology for Family and Personal Life Management
- Ø Assessment of discomfort level of selected SIDCUL industry workers toward workstation design and work environment
- Ø Physical Fitness test of employees of Bajaj Auto Limited., Pantnagar

**On going research projects/funding agency/details of work**

All India Coordinated Research Project, ICAR

## **Title: Ergonomics of Farm Women Drudgery**

This ongoing project is being undertaken in five adopted villages of Tarai and Hill region of Uttarakhand. It has seen that difficult operations in agricultural production, post harvest as well as household activities are performed using simple rudimentary tool/implement or with no tool. Considering the multiple demand of workers in both reproductive and productive tasks, system approach of combining ergonomically designing/development of equipment/implements alongwith application of training programme involving participatory field level skill training were undertaken. Repeated field demonstrations in the proper use of ergonomically improved farm implements as to reduce the disproportionate workload was also considered. As an impact of the project there are 5800 direct beneficiaries/workers.

### **Departmental Publications**

Ø	<b>Research Paper</b>		
	· National	–	183
	· International	–	25
Ø	<b>Abstract</b>	–	124
Ø	<b>Bulletin</b>	–	10
Ø	<b>Booklets/ Leaflets</b>	–	76
Ø	<b>Books</b>	–	10
Ø	<b>Chapters in books</b>	–	19
Ø	<b>Manuals</b>	–	05

### **Consultancy programmes**

Consultancy was given for -

- Ø Agri Portal of Uttarakhand Govt.
- Ø KUSS (NGO) Champawat for introduction of drudgery reducing technologies in the hill region of Uttarakhand.

### **Contact for information**

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