

CHAPTER 23  
HOME SCIENCE

Doctoral Theses

257. JAIN (Charu)  
**Comparative Study of the Properties of Organic Cotton and Conventional Cotton.**  
Supervisors : Dr. Charu Gupta and Dr. M. S. Parmar  
Th 15324

*Abstract*

Develops products with the cotton that is free of pesticides and that has also been processed via ecofriendly routes. This could only be possible by using "Organic Cotton" which is grown with the help of green manures and organic fertilizers thus avoiding synthetic fertilizers and pesticides. Organic cotton is an ecofriendly fibre, cultivation of which is not harmful to the environment and public health. It is now considered a proven alternative to conventional cotton which is grown with extensive use of synthetic chemicals and pesticides. Organic cotton is being promoted worldwide for its safe cultivation practices. Very few studies have been conducted to evaluate the properties of organic cotton using quantitative metrics. In order to characterize the infant's accessories, it was considered essential to characterize and compare the properties of organic cotton along with conventional cotton. A need was also felt to judge the performance of organic cotton against eco-processing technology for the development of a suitable combination of ecofriendly production and processing routes for cotton.

*Contents*

1. Introduction. 2. Review of Literature. 3. Methods and materials. 4. Results and Discussion. 5. Summary and Conclusions. Bibliography and appendices.

258. RUPA (T. G.)  
**Economic Empowerment Through Self Help Groups: A People's Perspective.**  
Supervisors : Dr. Savitri Ramamurthy and Dr. Sushma Goel  
Th 15473

*Abstract*

The study highlights the improvement in economic security and capacity of SHG members through the knowledge of financial dealings, access to money to cover their daily, emergency and special needs, and instilling financial discipline. In the SHGs, the savers and the borrowers being the same, there was a direct relationship between savings and credit. The group funds were both a source of loans as well as collateral for external monetary linkages. Loans were easily accessible and the procedure was simple - through group consensus, the biggest advantage being availability of small loans. By and large, access to credit had improved their decision-making power within and outside the family. They learnt to voice their opinions in a group, were critical, took more interest in group activities, kept tab on fellow members, sought information - more the involvement, higher was the stake. Their creditworthiness improved their status in the community, and gave them a sense of pride and worth. The leaders especially were empowered as they were leading not only their own groups but also mobilizing more women to join the programme and expanding it. The members showed political inclination, as they were moving towards self-sustenance and self-reliance. Improved visibility in the community brought them to the forefront of all development activities, as mobilization of communities for development purposes were channeled through the SHGs.

*Contents*

1. Introduction. 2. Methodology. 3. Review of literature. 4. Findings and discussion. 5. Case studies. 6. Summary and conclusion. Bibliography and appendices.

259. SEN (Rekha Sharma)  
**Construal of Creativity and its Nurture in Children.**  
 Supervisor : Dr. Neerja Sharma  
 Th 15267

*Abstract*

Attemptes to understand how context influences people's construal of the construal of creativity and its nurture. The aim was to uncover implicit theories of creativity held by children, teachers, parents, crafts persons, eminent and creative persons, teachers educators and teachers tranees. It examined the patterns of nurturance of children's creativity in school, influence of teachers, construal of creativity on their approach to teaching, and inputs in teacher training programmes with regard to creativ-

ity. The study also focused on the creative child's context to identify patterns in the nurturance of creativity in the family. One of the objectives was also to examine what characteristics are associated with a creative personality.

*Contents*

1. Introduction. 2. Method. 3. Results and discussion. Bibliography.