



39. Organic Pashmina Dyeing

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Patent: NA

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Description of Technology

Pashmina shawls are heritage product of cottage Industry in India with ever expanding national and international market. Dyeing constitutes a vital component in production of the shawl base and embroidery material. Synthetic dyes have been used long. However, over the period of time organic dyes were replaced by synthetic ones. But the negative impacts of these synthetic products on the environment and human health alike, at the level of processing industry as well as consumer level, is an emerging concern warranting strategic approaches for its mitigation. This has also enforced changes in the consumer preference and marketing strategies. Natural dyes, being eco-friendly, have been viewed as a potential substitute to their synthetic counterparts. Besides their versatility, the aesthetic appeal of the products with natural dyes is fetching ever-increasing consumer acceptability in national and international market. There are some problems associated with the use of natural dyes on pashmina fabric which include non-availability of suitable dye material in bulk and poor fastness properties. In order to solve these problems, a comprehensive natural dyeing process with the abundantly available natural materials was standardized under National Agricultural Innovation Project on Pashmina in collaboration with Central Sheep and Wool Research Institute, Avikanagar. Waste materials from organic substances viz: walnut husk, onion peel, saffron flower petals, pomegranate rind, silver oak, myrobalan, meddar, henna, tulip, sesame, Crofton weed, Common Lantana, Lumb, Litchi were used for natural dyeing of pashmina fabric. Study revealed that pashmina could be dyed with these organic sources with good fastness in line with BIS standards.

Source	Dye	Aluminium Sulphate	Stannous Chloride	Ferrous Sulphate	Citric Acid
Onion					
Saffron					
Silver oak					
Myrobalan					
Madder					
Henna					
Tulip					
Walnut					

Impact

- Eco-friendly value addition of the heritage product.
- Utilization of organic waste material
- Economical.
- Good fastness properties.

Commercial Applicability

- Establishment of small scale industry