



Dyeing of Angora wool with natural dye from bark of beefwood (*Casurina equisetifolia*)

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ABSTRACT

The method of dyeing Angora wool with beefwood (Jor Tor) bark (*Casurina equisetifolia*) was standardised by determining the optimum dyeing conditions, like dye material concentration, dye material extraction time, dyeing time, mordant concentration and mordanting method. The mordants used were Alum, Chrome and Copper Sulphate. The dye material concentration and dyeing time giving the maximum dyeing absorption were taken as optimum values. The extraction time giving the maximum optical density of the dye extract was taken as the optimum value, whereas, the mordant concentration and mordanting method giving the highest washing fastness were taken as optimum concentration and best method, respectively. The washing, rubbing and light fastness of Angora wool, dyed with different mordants were higher than those of Angora wool dyed without mordants. Per cent dye absorption and washing, rubbing and light fastness of dyed Angora wool increased with dye material concentration and dyeing time upto their optimum values, after which, they decreased. Similarly, the optical density of dye extract increased with increase in dye extraction time, upto the optimum value, after which, it decreased.