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Improvement of the traditional system of dyeing on wool fiber using eco-friendly natural dye

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ABSTRACT

The colour fastness properties of the seed coat of Juglans regia, Pinus roxburghii, Butea monosperma and Berberis aristata with with chemical mordants viz. FeSO₄, CuSO₄ and natural mordants viz. leaves of Symplocos racemosus and Artemisia japonica. Dyeing along with mordanting techniques which included pre-mordanting, simultaneous mordanting and post mordanting was carried out. Study about fastness tests of dyed clothes was undertaken. Large range of shades was obtained because of varying mordant. The washing, rubbing, light and perspiration fastness of the dyed samples was also evaluated, giving fair to excellent fastness grades and this evaluation also useful for textile industries.

Keywords: Wool, Colour fastness, Mordants and Natural dyes.
