

## IMPROVING THE WASH FASTNESS OF ANNATTO NATURAL DYE WITH DYE FIXING AGENTS ON COTTON: FULLY ECO-FRIENDLY FIXING AGENTS

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### ABSTRACT

In this article, we review how to improve the colour fastness properties of natural dyes, with 5 dye fixing agents. Eco-friendly mordants, such as alum, stannous chloride and ferrous sulphate are used. Annatto dye is selected because; this source produces fugitive colors on cotton. A pre-treatment with myrobalan has been given, for better dye uptake. After dyeing, the sample is post treated with 5 dye fixing agents such as alum, ammonia, lime juice and calcium chloride, for better colourfastness of natural dyes on cotton.

**KEYWORDS:** Annatto Seeds, Wash Fastness, Myrobalan, Natural Dyes, Fixing Agents