

## Effect of a Reactive Dye-Resin Complex on Dyeing Properties of Cotton Fabrics

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**Abstract :** Study of the effect of dye-resin complexation on the degree of dye absorption were carried out using Procion Blue MX-R to dye cotton fabric in the presence hexamethylol melamine (MR6) and its phosphate derivative (MPR4) for resination. The highest degree of dye exhaustion was obtained at 400C for 1 hour with the resinated fabric showing more affinity for the dye than the ordinary fibre. Improved fastness properties was recorded which show a relatively higher stability of dye-resin complex formed in the fibre.

**Keywords :** affinity, cotton, dyeing, reactive dye, resination

**Conference Title :** ICCST 2015 : International Conference on Chemical Science and Technology

**Conference Location :** Prague, Czechia

**Conference Dates :** March 23-24, 2015