

Extraction of Natural Dyes From the Floral Parts of Plants and its Applications in Fabrics

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Abstract: *Natural dyes from plant sources have been given much more interest in recent years due to the harmful effects and threat raised by synthetic dyes. The main idea of extracting dyes from plant (natural) sources is to avoid the environmental pollution. Present days with global concern over the use of eco-friendly and biodegradable materials, considerable research work is being undertaken around the world on the application of natural dyes. In this study dyes are extracted from two different flowers of plants e. *Caesalpinia pulcherima*, *Bougainvillea glabra*. These fabrics were mordanted with Alum acetate acetic acid for fastening of the imparted colours. The dyes produced from these flowers were dyed on cotton fabrics and tested for their colour fastness to washing properties. The dyed cottons fabrics were observed with different shades of colour. Moreover, the dyes obtained from the plant flowers may also be alternative sources to synthetic dyes for the dyeing of natural cotton fiber.*

Keywords: Natural dyes, Biodegradable *Caesalpinia pulcherima*, *Bougainvillea glabra*, Mordant