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Extraction of Natural Dyes from Plants

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Abstract: *The negative impacts and threat posed by synthetic dyes have led to a significant increase in interest in natural dyes derived from plant sources in recent years. The primary goal of obtaining dyes from natural plant sources is to prevent pollution of the environment. Many studies are being conducted worldwide on the usage of natural dyes in light of the current global concern over the use of eco-friendly and biodegradable products. In this study dyes are extracted from different part of plants i.e., Ixora Coccinea Flower (pink), Nerium Oleander Flower (red), Tradescantia Pallida flower, Portulaca Oleracea, Cissus Qudrangularisstem and Celosia Cristata stem. The fabrics were mordanted with copper sulphate, ferrous sulphate and potassium chromate 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 fibre*

Keywords: Natural dyes, Biodegradable, Hibiscus Flower (red), Merigold Flower (yellow or orange), Asian pigeon wings flower

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