

Review on Herbal Hair Dye

Bhojane Ankita¹, Tawar Ashish², Thormote Dipak³, Bharde Vikarant⁴, Chandrawanshi Mayuri⁵

Students, Shivlingeshwar College of Pharmacy, Almala, Latur, Maharashtra^{1,2,3,4}

Assistant Professor, Shivlingeshwar College of Pharmacy, Almala, Latur, Maharashtra⁵

Abstract: *Herbal hair dyes are gaining popularity as a sustainable and safer alternative to synthetic hair dyes, which often contain harmful chemicals such as ammonia and parabens. This study explores the formulation and evaluation of herbal hair dyes incorporating plant-based ingredients like henna, amla, peppermint, aloe vera, bhringraj, hibiscus, reetha, shikakai, coffee, nili, brahmi, red sandalwood, and indigo. These ingredients not only impart natural hair colour but also offer therapeutic benefits such as scalp nourishment, hair strengthening, and improved texture. The mechanism of herbal hair dyes involves the deposition of natural pigments that bond with hair keratin without damaging the hair shaft. Evaluation parameters such as pH, spreadability, color fastness, and washing resistance were assessed to ensure product efficacy. This review highlights the potential of herbal hair dyes as eco-friendly, non-toxic alternatives and discusses future prospects in enhancing their stability and consistency (Smith & Jones, 2018; Gupta et al., 2021; Sharma & Patel, 2023).*

Keywords: Herbal hair dye, natural hair colour, plant-based ingredients, hair care, eco-friendly

