

## **OPTIMIZATION OF PROCEDURE FOR DYEING OF COTTON AND WOOL FABRIC WITH NATURAL DYE EXTRACTED FROM *MYRICA ESCULENTA* USING DIFFERENT MORDANT.**

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### **ABSTRACT**

*Myrica esculenta* locally known as kaphal is a dye yielding plant of Himalayan region, Its bark extract gave different shades on cotton and wool after using different mordants. Procedure for dyeing were optimize with the natural dye extract. It gave different shades using different natural and synthetic mordant. Various parameters like concentration, pH, time of extraction and time of dyeing were optimized.

**KEY WORDS:** *Myrica esculenta*, Bark, Natural Dye, Optimum conditions, Different shades.

### **REFERENCES**

- K. H. Prabhu and Aniket S Bhute (2012) Plant based natural dyes and mordants: A Review *J.Nat. Prod. Plant Resour.* 2 (6): 649-664
- G Brian. (1998). *Journal of Society for Dyers and Colorists*, , 114, 4
- Ramasamy Rajendram, (2011). *Journal of textile and apparel technology and management*, 7(2). pp
- Hawang E.K Kim M.S Lee D.S, Kim K.B. (1998). *Journal of Korean Fibre Society* 35:490-497.
- S.C Sati, Manisha Dobal, J.S Jangwan (2008). *Book Phytochemicals: a therapeutant for critical disease management* pp. 51-55