

## **New technique using light for fixing solubilized vat dyes**

**Assist. Prof. Dr/ Amr Emad El-Dien Allam**

**Assitant.Prof of Textile Dyeing and Finishing Technology –Faculty of Applied Arts,  
Helwan University, Egypt.**

**Designer/ Safaa Taha Moustafa**

**Tutor, Textile Dyeing and Finishing Technology –Faculty of Applied Arts, Helwan  
University, Egypt.**

### **Abstract:**

In this study the researcher tries to work out a new technique using light for fixing solubilized vat dyes, Innovations that have increased recently for creating smart textiles, That interact with surrounding environmental conditions like photochromism , Thermochromism and Chemochromism, However the dyes that are affected by these environmental conditions here are called Anthrasol Blue IBC solubilized vat dyes .

**Keywords:** solubilized reduced vat dyes, photochromism, developed by light.