

Production of Floral Dye from different flowers available in West Bengal for Textile & Dye Industry

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Summary:

Floral dye can be used as dyeing material for dyeing the Textile Fibre as well as making colorful powder.

Keywords: Flower, Floral dye, Herbal Gulal, Environmental pollution

Extended Abstract

In India a huge amount of flowers are cultivated & West Bengal is the 4th position to cultivate flowers after Andhra Pradesh, Karnataka & Tamilnadu. These flowers are used as decoration purposes or for offering to God. A survey report reveals that 40% of the total productions of flowers are unsold and wasted everyday which are thrown in water of river Ganga or dumped which also creates water pollution as well as environmental pollution. These wasted flowers can be used in various ways & we can get wealth from waste materials.

The various uses of these wasted flowers are:

- a. Extraction of colourful dyes from these flowers and use it in textile Industry for dyeing purpose.
- b. These colourful dye are used to making Herbal Gulal (Abiir).
- c. The residual waste portion can be used as bio-fertilizers.

Colourful dye can be extracted from flowers for dyeing textile fibre. These floral dye are eco-friendly & it has no allergic action on skin like synthetic dye. Moreover the procedure is very cost-effective and depending on it small scale Industry as well as Large scale Industry can be set up. The laboratory & pilot plant work & is going on at Chemical Engineering department, Jadavpur University with collaboration with Moromi, a NGO of West Bengal. Beside this these colour can be used to making colourful herbal Gual which has no side effect on skin.

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