**Removal of Synthetic Dyes from the Textile Wastewater Using Low Cost Adsorbents**

Chandani Mathur\*

*Department of Chemistry, IIS(deemed to be University), Mansarovar Jaipur 302020(India)*

*(chandani.mathur@iisuniv.ac.in)*

Wastewater from the textile industry contains a variety of polluting substances including dyes. Colour is the first contaminant to be recognized in the wastewater and has to be removed before discharging into water bodies or on land.[1] Among various methods adsorption occupies a [prominent](https://www.sciencedirect.com/topics/social-sciences/prominent" \o "Learn more about Prominent) place in dye removal.The growing demand for efficient and low-cost treatment method and the commercial potential of adsorption has given rise to low-cost alternative [adsorbents](https://www.sciencedirect.com/topics/earth-and-planetary-sciences/adsorbent" \o "Learn more about Adsorbent) (LCAs). This review highlights and provides an overview of these LCAs comprising of some natural as well as synthetic materials which are widely available and have appreciable adsorption capacities.[2]

**References:**

1. [Kunwar P. Singh](https://pubs.acs.org/author/Singh,+Kunwar+P), [Dinesh Mohan](https://pubs.acs.org/author/Mohan,+Dinesh), [Sarita Sinha](https://pubs.acs.org/author/Sinha,+Sarita), [G. S. Tondon](https://pubs.acs.org/author/Tondon,+G+S), [Devlina Gosh](https://pubs.acs.org/author/Gosh,+Devlina), *Ind. Eng. Chem. Res.*, **2003**, *42* (9), 1965–1976.

[2] V.K. Gupta, Suhas, *J. Environ. Manag*.*,* **2009**[, 90(8](https://www.sciencedirect.com/science/journal/03014797/90/8" \o "Go to table of contents for this volume/issue)), 2313-2342.