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Removal of dyes (methylene blue, malachite green, methyl violet) from aqueous solution by waste materials of copper pod flower

N Saravanan[1]*, G Rathika[2]

[1]Department of Chemistry, Nandha Engineering College, Erode- 638 052, Tamil nadu, India.
[2]Department of Chemistry, PSG College of Arts and Science, Coimbatore-641 014, Tamil nadu, India.

Abstract : In the present study adsorption capacity of copper pod flower was explored for the removal of methylene blue, malachite green and methyl violet dye from aqueous solution. The experiments were carried out in a batch system to optimize various parameters such as initial dye concentration, contact time, adsorbent dosages, pH and temperature. The obtained results confirmed the applicability of this copper pod flower as an efficient and low cost biosorbent for cationic dyes from aqueous solution.
Key words : Copper pod flower, Methylene blue, Malachite green & Methyl violet, Adsorption.

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