**ADSORPTIVE TREATMENT OF ORGANIC CONTAMINANTS**

Dr. Poonam Parihar

Assistant Professor

Department of Chemistry, St. Wilfred’s PG College, Jaipur

Email: pgehlot21@gmail.com

**ABSTRACT**

The adsorption treatment of organic contaminants using activated carbon from *Baliospermum axillare* was investigated. *Baliospermum axillare* was carbonized and activated to produce granular activated carbon. The experimental batch equilibrium data was correlated by Freundlich and Langmuir isotherms. The adsorption data fitted well into the Freundlich isotherm. The organic concentration expressed as chemical oxygen demand (COD) was reduced. Results from the study shows that *Baliospermum axillare* can be converted into high capacity adsorbent and used for the remediation of polluted industrial waste waters.

Key words: Adsorpton, *Baliospermum axillare,* chemical oxygen demand