

**Studies on the Isotherm, Kinetics and Thermodynamic Aspects of  
Dye Adsorption from Aqueous Solution by Using Layered Double  
Hydroxide Based Sorbents**

**A Thesis**

Submitted to Bodoland University for the Degree of Doctor of  
Philosophy in the Department of Chemistry under the Faculty of  
Science and Technology



**Submitted by  
Deepmoni Brahma  
Department of Chemistry  
Bodoland University, Kokrajhar-783370, India  
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