

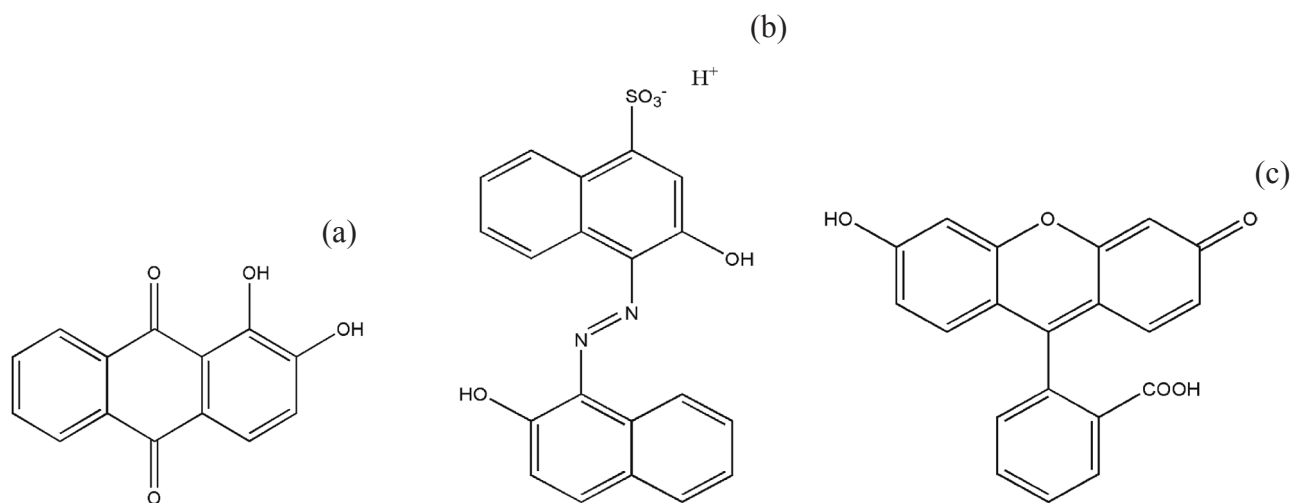
ELIMINATION OF DYES FROM AQUEOUS SOLUTIONS USING IRON OXIDES AND CHITOSAN AS ADSORBENTS. A COMPARATIVE STUDY

Silvina Pirillo*, Viviana Pedroni y Elsa Rueda

Departamento de Química, Universidad Nacional del Sur, CP 8000, Bahía Blanca, Argentina

María Luján Ferreira

Planta Piloto de Ingeniería Química, Universidad Nacional del Sur (UNS-CONICET), Camino La Carrindanga km 7, CC 717, CP 8000, Bahía Blanca, Argentina



Scheme 1S. Chemical structures of the dyes used. a) Alizarin, b) Eriochrome Blue Black R, and c) Fluorescein

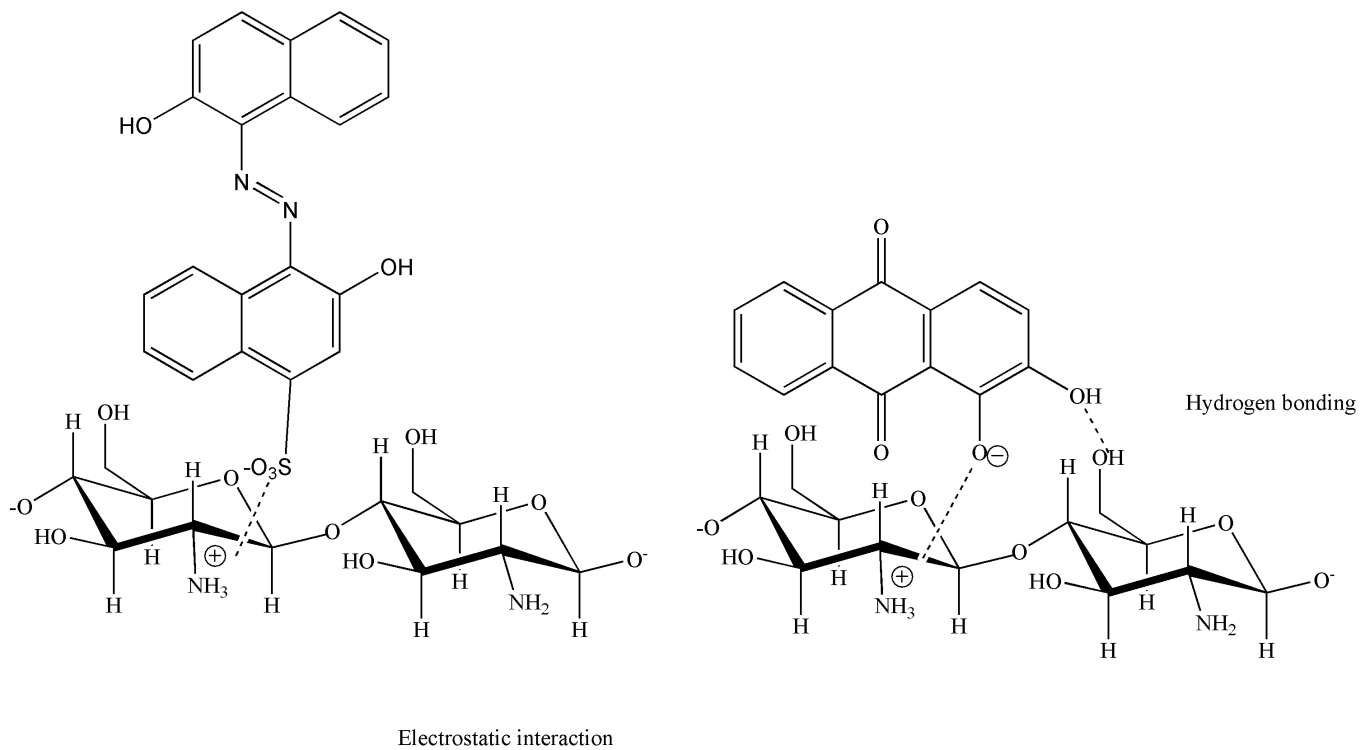


Figure 1S. Interactions of Alizarin and Eriochrome Blue Black R adsorption on chitosan

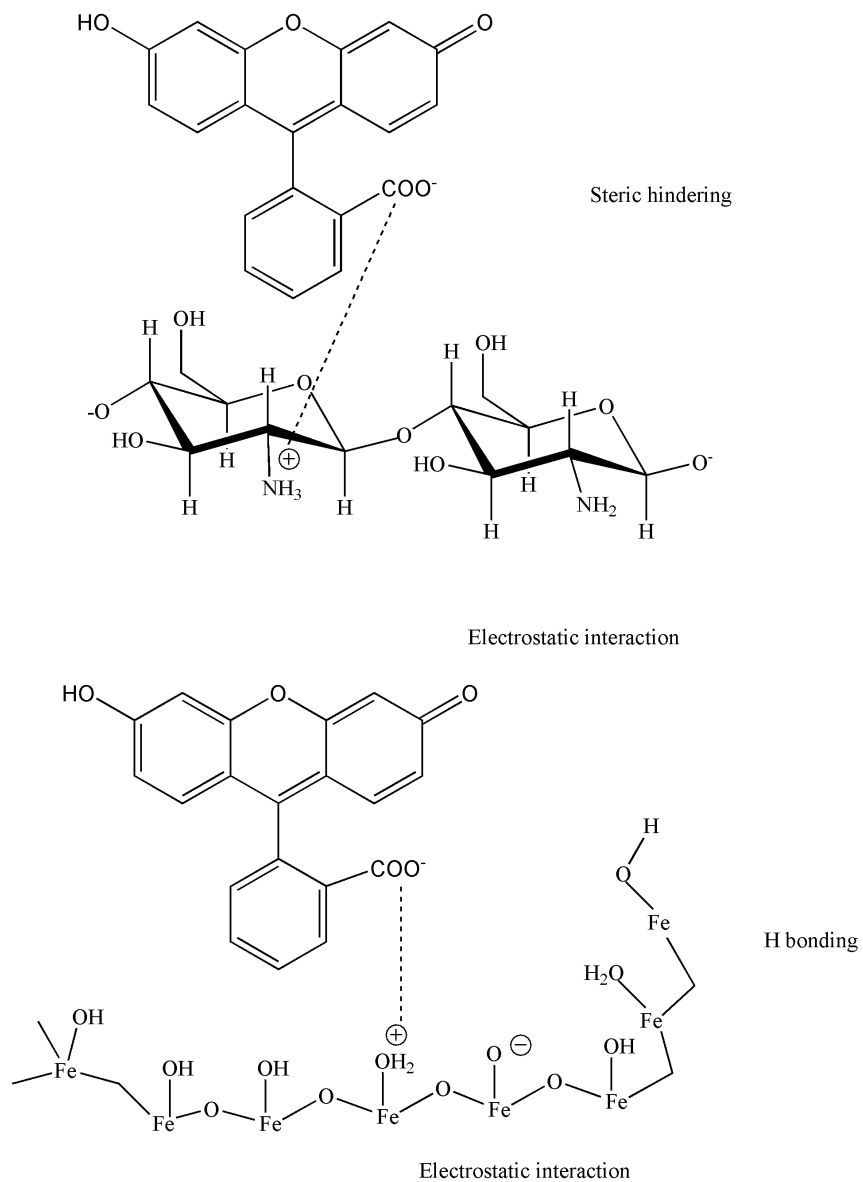


Figure 2S. Interactions and steric hindrance of the adsorption of Fluorescein on chitosan and iron oxides