Modeling wastewater biodecolorization with reactive blue 4 in fixed bed bioreactor by *Trametes subectypus*: Biokinetic, biosorption and transport


1. Introduction

Synthetic dyes are an extended class of highly stable chemical compounds, present in the wastewater discharged by the textile industries. Around 10–15% of all dyes are lost directly on the wastewater, and have become one of the most common pollutants of natural water bodies (Rodríguez-Couto, 2009). The pollution by dyes leads to reduction of sunlight penetration, which decreases...