

Synthesis and characterization of SiO₂-chitosan/AgNPs composite and its application for catalysis

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In the present work, a new composite silver supported chitosan-silica (SiO₂/chitosan/AgNPs) has been synthesized and characterized through XRD and SEM analyses. The catalytic activity of the newly synthesized composite was investigated in degradation of malachite green as a model reaction and the reaction followed pseudo first order.

Keywords: SiO₂, chitosan, Ag, malachite green.
