

عنوان مقاله:

Calcium hydroxide nanocomposites as an antioxidant and deacidifier on paper-art-work

محل انتشار:

همایش ملی نانو فناوری و شیمی سبز (سال: 1391)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

One of the main causes of degradation of paper is cellulose oxidation and always has been a big problem for restorer of these monuments. The goal of this project was presenting a way to stop oxidation, acid generation and strength in one step, simultaneously. In this method, we use cellulose-based nanocomposites of calcium hydroxides that consistent with paper to prevent possible long-term damages. Furthermore, to determine how well paper works screen objects from the damaging effects, the accelerated aging mechanism due to heat are discussed. Results show .good stabiltity of inked papers, minimize the degradation processes and save materials and time too

کلمات کلیدی:

Nanocomposite; Calcium hydroxide; Oxidation; Deacidification; Paper; Preservation

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