

Abstract

Flaking of paint is common deterioration of paintings on paper. That because of different factors observed in this Art objects. In this study investigated the deterioration of paint layer of Seven Safavid's Folios belonged to the Reza Abbasi Museum's collection by view of point flaking of paint on them. According to results the observation of the deterioration on paint samples for follow about flaking process of paint, Considering to type and quantity of binding medium as a main material in the combination of pigments in parsian miniature and preparing of sample base on low quantity of biner, suitable and high in compound with paint in this samples were condition of artificial aging that observed intensive flaking of paint. For Presenting Suitable solution for consolidation of flaked paint layer in miniature on paper, investigated *Anzarut* gum on the consolidation of paint. Sarcocolla gum is Scientific name of *Anzarut*, it has a different application and used in medical scientific and art. Considering to elemental analysis CHN on gum showed that quantity of carbon 56/7, Hydrogen 8/1 and nitrogen 0/5 in structure of gum. Laboratorial analysis implement on the Sarcocolla gum in preparing consolidant solution used for the consolidation of flaked paint layer in different densities. Results of colorimetry, pH metry and microscopic observation of the consolidation processes in paint layer and then stability of consolidant exposed to UV radiation, viability test on consolidant, represent suitable usage of this gum as a consolidant in treatment of flaked paint layer.

Keywords: Persian Miniature Painting, Painting on Paper, Flaking of Paint, Consolidation of paint, aging, Reza abbasi Museum