

## **Abstract**

Preventive conservation (or preventive care) is the implementation of all strategies that control deterioration processes of cultural heritage and prevent damage to them. One of these policies is the Integrated Pest Management (IPM) which is the main alternative to chemical methods of pest control. Purposes of this research are description of principles, concepts and strategies of IPM in museums and also present a case study of IPM in Malek National Library and Museum.

In this research, after a review on definitions and responsibilities in preventive conservation field, foundations of IPM in museums will be discussed. IPM program in three Fields is describable: Prevention of the pest attack in outside and inside of museum, monitoring and identifying of existent pests and performing proper treatments for mitigation and control of active infestations in objects.

To develop an IPM plan for Malek National Library and Museum, first current pest control methods were surveyed and then preventive guidelines and monitoring programs were recommended. Required data for pest identification were collected by received information from the Malek Library and Museum, and pest monitoring through visual inspection (two times) and unsuccessful trapping (one time). Finally in some cases which an action threshold has been executed, appropriate treatment actions were suggested.

**Key words:** Preventive conservation, Integrated Pest Management, Malek National Library and Museum, Museum pest