The aim of the study was to evaluate the effect of leaf extracts of four plants against some isolated fungal species from deteriorated books. Aqueous, methanol and chloroform extracts of selected plant species were screened in vitro for their antifungal activity against some book deteriorating fungal species. 15 species belonging to 09 genera were isolated and identified from infested books in library. Aqueous and solvent extracts of leaves of Azadiracta indica, Callistemon citrinus, Eucalyptus lanceolatus and Pongamia pinnata was tested against some dominant fungal species viz. Chaetomium spiralis, Alternaria alternata, Aspergillus flavus, Aspergillus niger, Aspergillus fumigatus and Rhizopus stolonifer. Solvent extracts exhibited potent inhibitory activity than aqueous extracts. However, these plant extracts exhibited moderate activity against Aspergillus flavus, Chaetomium spiralis, Rhizopus stolonifer and Alternaria alternata.

Keywords: Deteriorated books; antifungal activity; Azadiracta indica; Chaetomium spiralis; solvent extract; aqueous extract.
Figure S2: Antifungal activity of aqueous extracts
Figure S3: Antifungal activity of solvent extracts

Figure S3(a): Growing of C. albicans on potato dextrose agar
A: Medium with methanol leaves extract of Azadirachta indica.
B: Medium with chloroform leaves extract of Calotropis gigantea.
C: Medium with methanol leaves extract of Calotropis gigantea.
D: Medium with chloroform leaves extract of Calotropis gigantea.
E: Medium with methanol leaves extract of Eucalyptus lanceolata.
F: Medium with chloroform leaves extract of Eucalyptus lanceolata.
G: Medium with methanol leaves extract of Pongamia pinnata.
H: Medium with chloroform leaves extract of Pongamia pinnata.
I: Medium with chloroform as a control.
J: Medium with methanol as a control.

Figure S3(b): Growing of A. flavus on potato dextrose agar
A: Medium with methanol leaves extract of Azadirachta indica.
B: Medium with chloroform leaves extract of Azadirachta indica.
C: Medium with methanol leaves extract of Calotropis gigantea.
D: Medium with chloroform leaves extract of Calotropis gigantea.
E: Medium with methanol leaves extract of Eucalyptus lanceolata.
F: Medium with chloroform leaves extract of Eucalyptus lanceolata.
G: Medium with methanol leaves extract of Pongamia pinnata.
H: Medium with chloroform leaves extract of Pongamia pinnata.
I: Medium with chloroform as a control.
J: Medium with methanol as a control.

Figure S3(c): Growing of A. flavus on potato dextrose agar
A: Medium with methanol leaves extract of Azadirachta indica.
B: Medium with chloroform leaves extract of Azadirachta indica.
C: Medium with methanol leaves extract of Calotropis gigantea.
D: Medium with chloroform leaves extract of Calotropis gigantea.
E: Medium with methanol leaves extract of Eucalyptus lanceolata.
F: Medium with chloroform leaves extract of Eucalyptus lanceolata.
G: Medium with methanol leaves extract of Pongamia pinnata.
H: Medium with chloroform leaves extract of Pongamia pinnata.
I: Medium with chloroform as a control.
J: Medium with methanol as a control.

Figure S3(d): Growing of A. flavus on potato dextrose agar
A: Medium with methanol leaves extract of Azadirachta indica.
B: Medium with chloroform leaves extract of Azadirachta indica.
C: Medium with methanol leaves extract of Calotropis gigantea.
D: Medium with chloroform leaves extract of Calotropis gigantea.
E: Medium with methanol leaves extract of Eucalyptus lanceolata.
F: Medium with chloroform leaves extract of Eucalyptus lanceolata.
G: Medium with methanol leaves extract of Pongamia pinnata.
H: Medium with chloroform leaves extract of Pongamia pinnata.
I: Medium with chloroform as a control.
J: Medium with methanol as a control.