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Post-harvest myco f ora of some fruits from Ad Darb Market, Jizan, Saudi Arabia

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This is the rst study of post-harvest myco ora of fruits from Ad Darb region of Jizan province. A total number of 14 samples of fruits from the local markets of the place with post-harvest spoilage fungi were collected and screened for myco ora during March 2015 to February 2017. e myco ora was cultured on potato dextrose agar plates and Czapek Dox agar plates. A qualitative and quantitative assessment of myco ora was carried out by the fungal cultures on the petri plates and the slides were identi ed by microscopic and macroscopic characteristics. A total of 64 fungal isolates represented by 9 fungal genera were isolated from the samples belonging to the three classes of fungi i.e. Oomycetes, Zygomycetes and Ascomycetes. e post-harvest myco ora was represented by , , ., *A* , , , , and . e most predominant genera were *A* followed by and . Percentage Disease Incidence ranged from 20-30%. e information on the diverse groups of post-harvest myco ora can help in e ective management and minimization of post-harvest economic losses. Apart from the economic losses the post-harvest myco ora are pathogenic. *A* , and isolated are highly mycotoxigenic and are a potential risk to human health. ey produce mycotoxins which are responsible for several diseases.

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