

园艺与食品科学

椪柑贮运病原菌分离及天然物对其抑制作用*

甘瑾, 马李一, 石雷, 陈智勇, 陈晓鸣

(中国林业科学研究院资源昆虫研究所, 云南 昆明 650224)

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摘要 以云南省宾川县所产椪柑为试验材料, 研究椪柑在贮藏运输中的主要病害及病原真菌, 并采用滤纸片扩散法, 用多种天然植物提取液对病原菌进行了抑菌试验, 目的在于找到对病原菌有抑制作用的天然物质。分离、鉴定出意大利青霉(*Penicillium italicum* Sacc.)和指状青霉(*Penicillium digitatum* Sacc.)2种病原真菌, 找到了对2种病原真菌有抑制作用的天然植物提取液, 并确定了最低抑制浓度(MIC)。为进一步研究柑橘类果品的天然保鲜剂提供了一定的基础资料。

关键词 [椪柑](#) [贮运病害](#) [病原真菌](#) [抑菌作用](#) [天然植物提取液](#)

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Studied on the Ponkan Post harvest Pathogenic Fungi and Effect of Plant Material Extracts on Them

GAN Jin, MA Li-yi, SHI Lei, CHEN Zhi-yong, CHEN Xiao-min

(Research Institute of Insect Resources of Chinese Academy of Forestry, Kunming 650224, China)

Abstract

Sampled from Binchuang, Yunnan province, the ponkan were studied on pathogen during storage and transport. By the paper filtering method, antimicrobial effect of many plant material extracts on the pathogenic fungi were determined respectively. The result showed that two pathogenic fungi were isolated from the ponkan during post harvest, they were *Penicillium italicum* Sacc. and *Penicillium digitatum* Sacc.. The plant material extracts with antimicrobial effect on the two pathogenic fungi were found, and the minimum inhibitory concentration(MIC) of extracts were determined.

Key words [Ponkan](#) [post harvest pathogen](#) [antibiosis](#) [pathogenic fungi](#) [plant material extracts](#)

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