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## 不同外形烤烟鲜烟叶防御酶活性和组织结构比较分析<sup>\*</sup>

黄永成<sup>1</sup>,孙建锋<sup>2</sup>,宋朝鹏<sup>1</sup>,宫长荣<sup>1\*\*</sup>

1.河南农业大学农学院,河南 郑州 450002; 2.云南省曲靖市烟草公司,云南 曲靖 655000

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**摘要** 对不同外形烤烟鲜烟叶的组织结构和防御酶活性进行了研究。结果表明,不同外形的鲜烟叶的组织结构存在显著性差异,防御酶活性各不相同。其中,黑褐色烟叶组织结构致密,防御酶PPO,POD和SOD活性最小,MDA活性最大;黄绿相间烟叶的防御酶POD和SOD活性最大;卷曲烟叶的组织结构非常疏松,防御酶PPO活性最大,而MDA活性最小。

**关键词** [烤烟](#); [烟叶外形](#); [组织结构](#); [防御酶](#)

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## Comparison and Analysis of the Organization Structure and Defense Enzyme Activity in the Unflue-cured Tobacco Leaves of Different Shape

HUANG Yong-cheng<sup>1</sup>,SUN Jian-feng<sup>2</sup>,SONG Zhao-peng<sup>1</sup>,GONG Chang-rong<sup>1</sup>

1.Agronomy College of Henan Agricultural University,Zhengzhou 450002,China;  
2.Qujing Tobacco Company of Yunnan Province,Qujing 655000,China

### Abstract

The organization structure and defense enzyme activity in the unflue-cured tobacco leaves of different shape were studied. The results showed that the organization structure in the unflue-cured tobacco leaves of different shape achieved the remarkable level,the enzyme activities were different,the organization structure of snuffcolored tobacco leaves was tight,the activities of PPO,POD and SOD were at the lowest point,while the activity of MDA was at the highest point. The activities of POD and SOD were the highest in the yellow and green alternative tobacco leaves. The organization structure of curly tobacco leaves was very loose,the activity of PPO was the highest,but the activity of MDA was the lowest.

**Key words** [flue-cured tobacco](#) [leaf shape](#) [organization structure](#) [defense enzyme](#)

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通讯作者 宫长荣

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