

## 我国牛肝菌属一新种, 微眇牛肝菌\*

臧穆<sup>1</sup>, 黄年来<sup>2</sup>

(1 中国科学院昆明植物研究所隐花植物标本馆, 云南 昆明 650204; 2 三明真菌研究所, 福建 三明 365000)

摘要: 在福建省新发现一担子果极小的微眇牛肝菌, 其盖径仅 1~4 mm, 柄高 3~6 mm, 极罕见, 暂归于牛肝菌属黄肉牛肝菌组。

关键词: 牛肝菌属; 微眇牛肝菌

中图分类号: Q 949 文献标识码: A 文章编号: 0253-2700(2002)06-0723-02

### A New Species of the Genus *Boletus* from China, *Boletus minimus*

ZANG Mu<sup>1</sup>, HUANG Nian-Lai<sup>2</sup>

(1 *Cryptogamic Herbarium Kunming Institute of Botany Chinese Academy of Sciences*, Kunming 650204, China;  
2 *Sanming Mycological Institute Fujian Province*, Sanming 365000, China)

**Abstract:** A new species of the genus *Boletus* is reported from Fujian Province: *Boletus minimus* Zang et N. L. Huang. It is a rather interesting taxon and characterized by its most small size of basidiocarps, pileus 1-4 mm diam., stipes 3-6 mm long only., it can be placed in the genus *Boletus* section *Luridi* Fr.

**Key words:** *Boletus*; *Boletus minimus*

*Boletus minimus* M. Zang et N. L. Huang, Sp. nov. (微眇牛肝菌) (Fig. 1: 1-6)

Pileus 1-4 mm latus, convexus demum planus maturitate siccus, tomentosus vel laevigatus, rubidus vel rubineus. Contextus 0.5-0.8 mm crassus, flavus, immutabilis vel aerie caerulescens. Tubuli 0.1-0.2 mm longi, flavi, remoti vel sinuato-adnati. Pori simplices, minuti subrotundi vel angulares, 10-12/per 2 mm. Hymenium flavidum. Stipes 3-6 x 0.2-0.5 mm, obclavatus, basim versus bulbosus, apice rubidus vel aurantiacus, basi albus, haud reticulatus. Basidiosporae 10.4-14 x 4-5.2  $\mu$ m, ellipsoideae, late ovatae, flavido-hyalinae. Basidia 18-25 x 6-8  $\mu$ m, clavata vel obclavata, 4-sporigera. Pleurocystidia 15-25 x 6.5-8.5  $\mu$ m, fusiformia. Cheilocystidia 19-35 x 6.5-9  $\mu$ m, fusiformia. Tramae tubi paralleloneurae, in centro striis linearibus. Mycelio albo.

**Holotypus:** China, Fujian Prov., (福建省), Yong Chun County (永春县), Niu Mu Forest Natural Reserves (牛姆林自然保护区) under *Castanopsis carlesii* (Hemsl.) Hayata, 3 VII 2001. N. L. Huang 703. HKAS 39514 (Holotypus !)

Pileus 1-4 mm broad, convex expanding to plane, surface dry when mature, tomentose to smooth, reddish, ruby-red. Context 0.5-0.8 mm thick, yellowish, unchanging or changing in pale blue on exposure. Tubes 0.1-0.2 mm long, yellow, free or subsinuately adnate. Pores simple, small, almost circular or prominent angles. 10-12 pores/per 2 mm. Hymenophore yellow. Stipes 3-6 x 0.2-0.5 mm. obclavate to equal, bulbous at base, reddish, ruby-red and yellowish

\* Foundation item: This research was supported in part by grant 3989400 from the National Natural Sciences Foundation of China and financed by a Special Fund of Life Science of CAS supported by The Ministry of Finance (No. STZ-01-14)

收稿日期: 2002-02-20, 2002-02-30 接受发表

作者简介: 臧穆 (1931-) 男, 研究员, 主要从事菌物学研究。

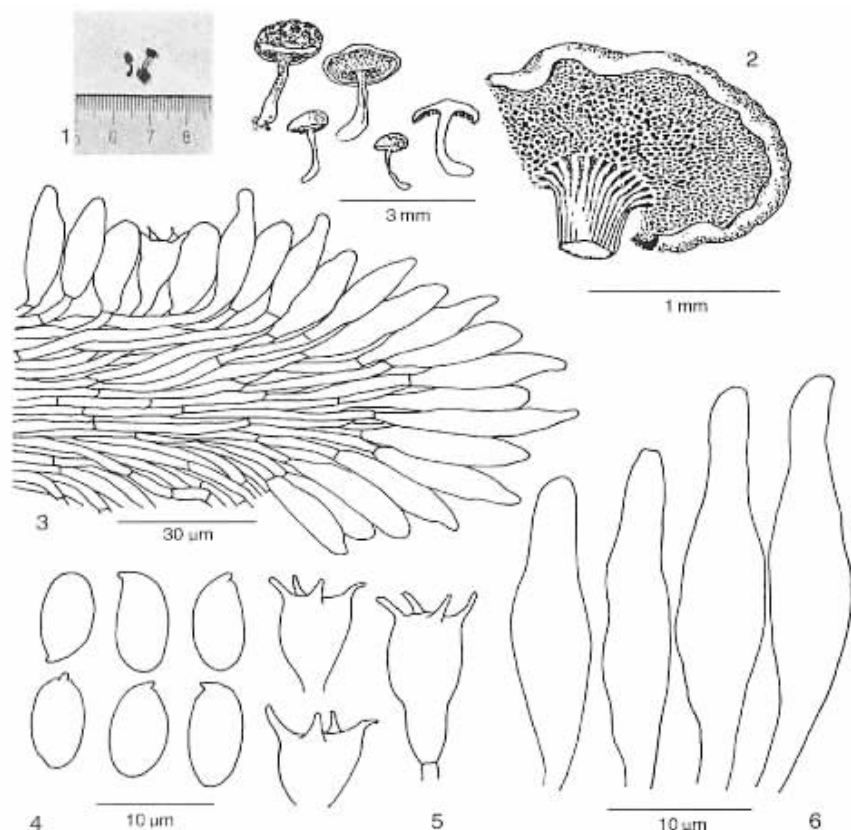


Fig. 1 : *Boletus minimus* Zang et Huang. sp. nov. (微渺牛肝菌) 1. Basidiocarps ; 2. Hymenium ; 3. Tubetrama ; 4. Basidia & basidiospores ; 5. Pleurocystidia ; 6. Cheilocystidia. ( HKAS 39514 Holotypus. )

scarlet. Whitish at base, not reticulate. Basidiospores  $10.4 - 14 \times 4 - 5.2 \mu\text{m}$ , ellipsoid to narrowly ovate, pale yellow to hyaline. Basidia  $18 - 25 \times 6 - 8.5 \mu\text{m}$ . Clavate, obclavate, 4-spored. Pleurocystidia  $15 - 25 \times 6.5 - 8.5 \mu\text{m}$ , fusiform. Cheilocystidia  $19 - 35 \times 6.5 - 9 \mu\text{m}$ , fusiform. Tube trama parallel in central linear streak. Mycelium whitish.

**Etymology** : Latin : minimus = very small, in reference to the small size basidiocarps.

**Commentary** : The new species can be places in *Boletus* Sect. Luridi ( Zang, 1991 ; Zang, Li & Petersen, 2001 ), The fungus is distinguished by small size basidiocarps and ellipsoid to narrowly ovate basidiospores, which are distinct from the other relative species. ( Chiu, 1948, Corner, 1972 )

**Acknowledgements** : The author wish to thank Prof. Z. Y. Su for reviewing the Latin description.

## References :

- Chiu WF, 1948. The Boletes of Yunnan [ J ]. *Mycologia*, **40** : 199—231  
 Corner EH, 1972. *Boletus* in Malaysia [ M ]. Singapore Bot. Garden Press, 246  
 Zang M, 1999. An annotated check-list of the genus *Boletus* and its sections from China [ J ]. *Fungal Science*, **14** : 79—87  
 Zang M, Li TH, Petersen RH, 2001. Five new species of Boletaceae from China [ J ]. *Mycotaxon*, **80** : 481—487