

我国牛肝菌属一新种, 微眇牛肝菌*

臧穆¹, 黄年来²

(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 - 02A New Species of the Genus *Boletus* from China, *Boletus minimus*ZANG Mu¹, HUANG Nian-Lai²(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 × 0.2 - 0.5 mm, obclavatus, basim versus bulbosus, apice rubidus vel aurantiacus, basi albus, haud reticulatus. Basidiosporae 10.4 - 14 × 4 - 5.2 μm, ellipsoideae, late ovatae, flavido-hyalinae. Basidia 18 - 25 × 6 - 8 μm, clavata vel obclavata, 4-sporigera. Pleurocystidia 15 - 25 × 6.5 - 8.5 μm, fusiformia. Cheilocystidia 19 - 35 × 6.5 - 9 μm, fusiformia. Tramae tubi parallelo-neurae, 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 × 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。

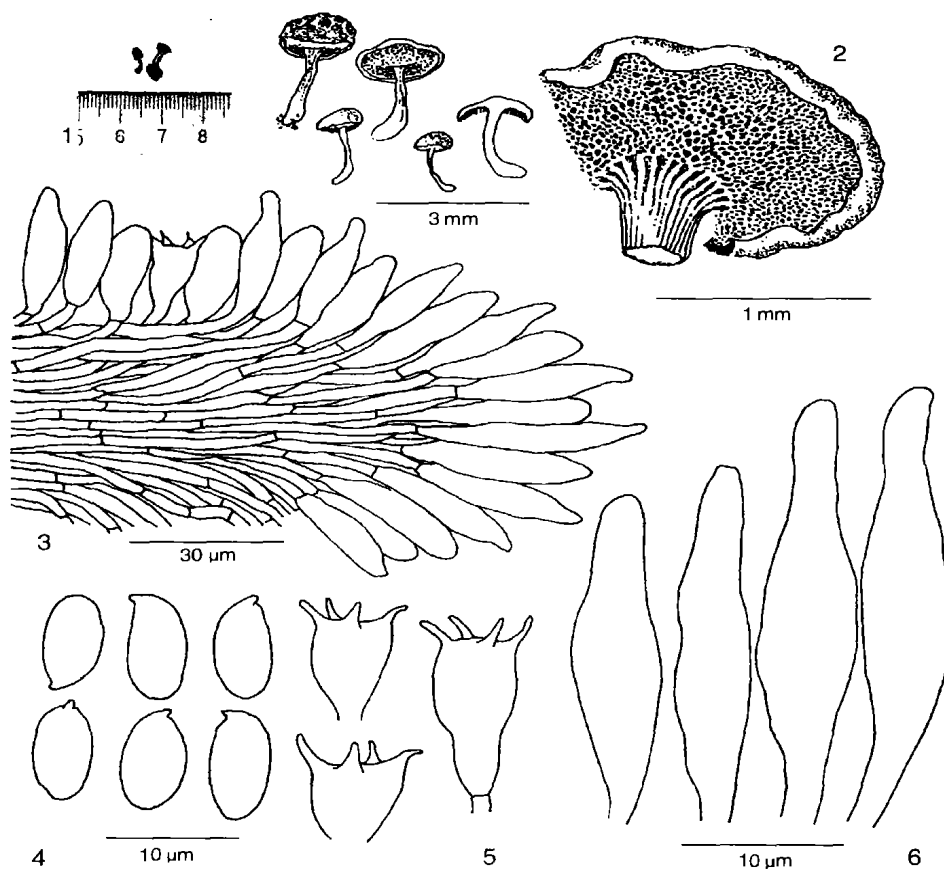


Fig. 1: *Boletus minimus* Zang et Huang. sp. nov. (微渺牛肝菌) 1. Basidiocarps; 2. Hymenium; 3. Tubetrans; 4. Basidia & basidiospores; 5. Pleurocystidia; 6. Cheilocystidia. (HKAS 39514 Holotypus.)

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 placed 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