

# 担子菌类两新种\*

——纪念陈梅朋教授诞辰 102 年\*\*

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**摘要:** 描述和图示了担子菌中的两个新种, 即梅朋华牛肝菌 (*Sinoboletus meipengianus*) 和梅朋华鸡枞 (*Sinotermatomyces meipengianus*)。

**关键词:** 梅朋华牛肝菌; 梅朋华鸡枞菌

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## Two New Species of Basidiomycota

——in memorial of the late Prof. Dr. Mei-Peng Chen on his 102nd birthday

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**Abstract:** Two new species of Basidiomycota, *Sinoboletus meipengianus* and *Sinotermatomyces meipengianus*, are described and illustrated.

**Key words:** *Sinoboletus meipengianus*; *Sinotermatomyces meipengianus*

### 梅朋华牛肝菌

*Sinoboletus meipengianus* M. Zang et D. Z. Zhang, sp. nov. (Fig. 1: 1-5)

Pileus 9-10 mm latus, tomentosus, convexus demum plano-convexus, sicco, flavidus, stramineus vel brunneus vel atro-fuscus. Contextus 0.5-1 mm crassus, flavus exopside immutabilis. Hymenium aureum, tubis bistratis, inter se connexis, superioribus 0.1-0.2 mm longis, 0.1-0.2 mm crassis, inferioribus 1-2 mm longis, 0.1-0.2 mm crassis, subtus poris angularibus vel irregularibus, 8-10 in quoque cm<sup>2</sup>. Stipes 5-6 cm longus, 1-1.5 mm crassus, gracilis, luteus vel citrinus, striatus, haud reticulatus, basi myceliis flavis praeditus. Basidia 10-17×6-8 μm,

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\*\* Dedicated this paper to the late Prof. Dr. Mei-Peng Chen (1902-1968), ex-director of the Institute of Edible Fungi in Shanghai, on the occasion of his 102nd birthday, who received his Ph. D. from the Agriculture College of Toulouse University in 1926, worked at Louis Pasteur Institute during 1926-1927, and successfully introduced *Agaricus bisporus* from France to China in 1928. 谨以本文纪念我国著名真菌学家、上海市农业科学院食用菌研究所前任所长陈梅朋教授 (1902-1968) 诞辰 102 周年。他 1926 年获法国鲁斯大学博士学位, 1926-1927 在巴斯德研究所工作, 1928 年在上海引种双孢蘑菇成功。

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Prof. Mei-Peng Chen 陈梅朋教授

(Nov. 23rd, 1902—May 5th, 1968)

layers, boletinoid and compound, superior tubes 0.1—0.2 mm long, 0.1—0.2 mm in diameter, inferior tubes 1—2 mm long, 0.1—0.2 mm in diameter, adnate or faintly sinuate; pores angular or irregular, 8—10 per  $\text{cm}^2$ . Stipe 5—6 cm long, 1—1.5 mm thick, slender, yellow to lemon yellow, striate at apex, non-reticulate. Basidia 10—17  $\times$  6—8  $\mu\text{m}$ , clavate, 4-spored. Basidiospores 8—10  $\times$  5—5.9  $\mu\text{m}$ , ellipsoid to broadly ovate. Pleurocystidia and Cheilocystidia 17—25  $\times$  6.5—8  $\mu\text{m}$ , fusiform. Tube trama with hyphae regularly arranged. Mycelium yellowish.

**Habitat:** in conifer and evergreen broad-leaved forest, mainly associated with *Lithocarpus grandifolia* (D. Don) S. N. Bisw. and *Pinus kesiya* var. *langbianensis* (A. Chev.) Gaussen.

**Additional specimen examined:** Yunnan Prov. (云南省), Yingjiang County (盈江县), Xima village (昔马乡), Lexin (勒新), 2 400 m alt. under trees of *Pinus kesiya* var. *langbianensis*, 16. VII. 2003, Lan Wang (王岚) 128 (HKAS 45011).

**Commentary:** *Sinoboletus meipengianus* is characterized by its small basidiocarp with a pileus only 9—10 mm in diameter, a rather slender and non-clavate stipe. Such characters are quite different from its relatives (Chiu, 1948; Teng, 1996; Zang, 1995).

## 梅朋华鸡油菌

*Sinotermitomyces meipengianus* M. Zang et D. Z. Zhang, sp. nov. (Fig. 1: 6—10)

Pileus 15—20 cm diam., conicus vel umbonatus, siccus, albidus vel flavidus, in centro atro-fuscus, margine radiato-striatus, lamellis adnatis, eburneis. Stipes 15—20 cm longus, 0.7—1 cm crassus, aequalis, carnosus, tubulosus, fulvidus, squarrosus, superne annulo cernuo distincto. Basidia clavate 30—40  $\times$  8—15  $\mu\text{m}$ , 4-sporigera. Basidiosporae 16—19  $\times$  8—9  $\mu\text{m}$ , hyalinae, ellipsoideae, laevies. Pleurocystidia et Cheilocystidia 20—40  $\times$  10—15  $\mu\text{m}$ , fusiformia. Ad nidum formicae.

**Holotype:** CHINA. Yunnan Prov. (云南省), Yingjiang County (盈江县), Tongbiguan Village (铜壁关), 1 900 m alt. on nest of termites, 15 VII 2003, Lan Wang (王岚) 112 (HKAS 43208).

**Etymology:** *meipengianus*, in honor of the well-known mycologist, Dr. Mei-Peng Chen (陈梅朋博士).

Pileus 15—20 cm broad, conical to umbonate, dry, minutely scabrous, whitish to yellowish, dark brown at center, becoming translucent-striate toward margin. Lamellae adnate, ivory white. Stipe 15—20 cm long, 0.7—1 cm thick, equal, tube-like, surface with brown scales, striate above at the annulus. Annulus superior, persistent, floccose membranous,

fusiformia, basidiosporis 8—10  $\times$  5—5.9  $\mu\text{m}$ , ellipsoideis vel late ovatis. In sylvis misturatis *Pinetis*, *Lithocarpus grandifolii*.

**Holotype:** CHINA. Yunnan Prov. (云南省), Yingjiang County (盈江县), Xima village (昔马乡), Lexin (勒新), 2 200 m alt. under trees of *Lithocarpus grandifolius* (D. Don) J. N. Bisw. (大叶石栎), 15. VII. 2003, Lan Wang (王岚) 127 (HKAS 43223).

**Etymology:** *meipengianus*, in honor of the later Prof. Mei-Peng Chen (陈梅朋教授).

Pileus 9—10 mm in diam., tomentose, convex then appanate, surface dry, straw yellow, brown, dark somber brown. Context 0.5—1 mm thick, yellow, unchanging on exposure. Hymenium golden-yellow to bright yellow; tubes with crossveins, produced in two definite

layers, boletinoid and compound, superior tubes 0.1—0.2 mm long, 0.1—0.2 mm in diameter, inferior tubes 1—2 mm long, 0.1—0.2 mm in diameter, adnate or faintly sinuate; pores angular or irregular, 8—10 per  $\text{cm}^2$ . Stipe 5—6 cm long, 1—1.5 mm thick, slender, yellow to lemon yellow, striate at apex, non-reticulate. Basidia 10—17  $\times$  6—8  $\mu\text{m}$ , clavate, 4-spored. Basidiospores 8—10  $\times$  5—5.9  $\mu\text{m}$ , ellipsoid to broadly ovate. Pleurocystidia and Cheilocystidia 17—25  $\times$  6.5—8  $\mu\text{m}$ , fusiform. Tube trama with hyphae regularly arranged. Mycelium yellowish.

**Habitat:** in conifer and evergreen broad-leaved forest, mainly associated with *Lithocarpus grandifolia* (D. Don) S. N. Bisw. and *Pinus kesiya* var. *langbianensis* (A. Chev.) Gaussen.

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white. Basidia clavate,  $30-40 \times 8-15 \mu\text{m}$ , 4-spored. Basidiospores  $16-19 \times 8-9 \mu\text{m}$ , hyaline, ellipsoid, smooth. Pleurocystidia and Cheilocystidia  $20-40 \times 10-15 \mu\text{m}$ , fusiform. Trama of tube with regularly arranged hyphae.

**Habitat:** On nest of termites.

**Additional specimen examined:** Yunnan Prov. (云南省), Yingjiang County (盈江县), Tongbiguan village (铜壁关) 1 900 m alt., on nest of termites, 15. VII. 2003, Lan Wang (王岚) 112a (HKAS 45012).



Fig. 1 *Sinoboletus meipengii* M. Zang et D. Z. Zhang (梅朋华牛肝菌) 1-5. 1. Basidiocarps; 2. Stratose hymenium; 3. Basidia & basidiospores; 4. Pleurocystidia; 5. Tubetrama. *Sinotermatomyces meipengii* M. Zang et D. Z. Zhang (梅朋华鸡枞菌) 6-10. 6. A part of pileus; 7. A part of stipe; 8. A part of gill trama; 9. Pleurocystidia; 10. Basidia & basidiospores.

**Commentary:** The distinctive characters of this species are the large pileus with a slightly blackish or deep brown umbo and the large size of the basidiospores (16–19×8–9 μm). It is easily separated from the relative species *S. taiwanensis* M. Zang et C. M. Chen (Zang & Chen, 1998).

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