

我国西藏高等真菌数新种*

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1. 棱紫盘菌 新种 (图版: 1—3)

Acetabula purpurea Zang sp. nov.

子囊盘直径4.5—6.2厘米, 初近球形, 后平展呈盘状, 不甚规则, 菌肉微粘, 外层表面紫色。柄高2厘米, 粗1厘米, 具洼痕和棱纹, 褐紫色。子实层紫褐色或红褐色, 光滑。子囊80—97×8—9.2微米, 圆柱形—棒形, 顶端钝圆, 基部渐狭而变细, 具8枚孢子, 顶端具囊盖。子囊孢子8.7—10×4.5—5微米, 单列, 透明, 椭圆形, 光滑, 具1—2个油滴, 隔丝阔1.2—2微米, 顶端粗2.5—3.5微米, 纤细而具隔。单一或双叉分。下盘层紫褐色, 菌丝粗2.5—6.5微米, 具横隔, 叉分, 互相交织, 外缘部菌丝呈平行排列。

西藏: 察隅县, 下察隅, 亚热带雨林下落叶层和倒木基干处。1. IX. 1976, 臧穆670 (模式! 标本存昆明植物研究所标本室[HKAS:5670]); 下察隅, 松冷村, 林下, 3. IX. 1976 臧穆311(3), 云南松 *Pinus yunnanensis* Fr. 林下(HKAS:5311)

Acetabula purpurea Zang sp. nov. (Plate I :1-3)

Apothecia ad 4.5-6.2 cm diam., primo subglobosa, ad maturitatem scutellata, unregularia, carnos-viscidula, superficie purpurea. Stipites 2 cm longi, 1 cm crassi, lacunosi costatique, brunneo-purpurei. Hymenium purpureo-brunneum vel rubro-brunneum, laeve. Asci 80-97 × 8-9.2 μm., octospori, cylindraco-clavati, apice obtusi, subtus angustati ad basin abrupte crassi, operculo apicali. Ascosporae 8.7-10 μm. Uniseriatae, hyalinae, ellipsoideae, laeves, 1-2 guttatae. Paraphyses infra ad 1.5-2 μm supra ad 2.5-3.5 μm latae, graciles, septatae, simplices vel furcatae. Hypothecium purpureo-brunneum. Hyphae ad 2.5-6.8 μm latae, septatae, furcatae, intertextes sed versus marginem paralleles.

Hab.: Ad terram in silvis, in Pinetis yunnanensis Fr. alt. 1900-2000 m.

Xizang (Tibet): Zayu. 1. IX. 1976. Zang Mu 670 (Typus!) (HKAS:5670); Zayu, Song Leng. 3. IX. 1976. Zang Mu 731 (3) (HKAS:5731)

本种近似长棱柄盘菌 *Acetabula macropus* (Clem.) Sacc. 唯菌体紫色, 柄短, 子

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囊孢子较小 (8.7—10×4.6—5 微米)。

2. 亮耳菌 新种 (图版:12—15)

Lampteromyces luminescens Zang sp. nov.

菌盖阔5—9厘米, 扇形, 肾形或贝壳形, 初期白色, 后期呈淡紫色, 光滑, 扁平, 伤后立变蓝色。柄短, 侧生, 3—5毫米长, 5—6毫米阔, 等粗, 基部增大。褶片贴生或延生, 白色, 褶缘有裂齿。褶髓菌丝排列规则, 弯曲或直伸。担孢子12—14微米, 圆形, 有斑点。担子25—35×10—13微米。侧生囊状体未见。褶缘囊状体40—50×15—18微米, 腹鼓状或圆柱状。无异味。夜间发光。

西藏: 察隅县, 下察隅, 亚热带雨林下, 生于枯倒木上。1. IX. 1976. 臧穆675。(模式! 标本存昆明植物研究所标本室[HKAS:5675])。

Lampteromyces luminescens Zang sp. nov.

Pileus 5-9 cm latus, flabelliformis, reniformis vel conchiformis, albus demum pallido-purpureus, glaber, planus post fractu celeriter cyanescens, sessilis. Stipes brevis lateralis, 3-5 mm longus, 5-6 mm crassus, aequalis vel ad basim leviter incrassatus. Lamellae adnatae vel decurrentes, albae, serratae, trama lamellarum regulari, ex hyphis subflexuosis vel strictis. Basidiosporae 12-14 μ m. globosae, punctatae. Basidia 25-35×10-13 μ m. Pleurocystidia desunt. Cheilocystidia 40-50×15-18 μ m. ventricosa vel cylindrica. Odor nullus. Nocte luminescens.

Hab. In ligno carioso.

Xizang (Tibet): Zayu. 1. IX. 1976. Zang Mu 675 (Typus!) (HKAS:5675)

本种近似日本亮耳菌 *Lampteromyces japonicus* (Kawamura) Sing. 但担孢子外壁较粗糙, 且现知本菌仅见于西藏东南部。

3. 大孢皮伞菌 新种 (图版: 4—7)

Marasmius macrosporus Zang sp. nov.

菌盖阔2.5—3.2厘米, 干燥, 扁平或平凹, 具脐状顶部, 有放射状沟纹, 膜质, 盖肉薄。初呈黄色, 后呈白色或象牙白色。褶片狭而薄, 离生, 白色。柄长3—6厘米, 粗0.1—0.15厘米, 中央生, 白色或象牙白色, 等粗或基部扩大, 形成垫座状, 象牙白或褐黄色。担孢子20—24×16—18微米, 透明, 近卵圆形、圆形。担子22—25×5—7微米, 棒状。担子具4孢子。盖面囊状体泡囊状, 顶端有颗粒状突起。子实层的囊状体未见。

西藏: 察隅县, 下察隅, 生于海拔1900米, 阔叶林下的栎属 *Quercus* 落叶上。1. IX. 1976. 臧穆686 (模式! 标本存昆明植物研究所标本室[HKAS:5686])。

Marasmius macrosporus Zang sp. nov. (Plate I:4-7)

Pileus 2.5-3.2 cm latus, siccus, planus vel depressus, umbonatus, radiato-

sulcatus, membranaceus, tenuis. primo flavidus, demum albus vel eburneus. Lamellae angustae tenuesque, liberae, albidae. Stipes 3-6 cm longus, 0.1-0.15 cm crassus, centralis, albus vel eburneus, aequalis vel ad basim incrassatus. mycelium basaliter pulvinatum, eburneum vel fulvum. Basidiosporae 20-24 × 16-18 μm. hyalinae, obovatae et rotundae. Basidia 22-25 × 5-7 μm. Clavata. 4-spora. Pileocystidia vesiculosa, superficiale granulata. Cystidia hymenii nulla.

Hab.: In sylvis humidis praecipue quercinis, supra folia coacervata putrida Quercus.

Xizang (Tibet): Zayu, 1. IX. 1976. Zang Mu 686 (Typus) (HKAS:5686)

本种近似红斑皮伞菌 *Marasmius sanguinolenta* (Fr.) Quél. 但本种菌盖有放射状沟纹, 且担孢子较大 (20—24 × 16—18微米)。

4. 西藏皮伞菌 新种 (图版:8—11)

Marasmius tibeticus Zang sp. nov.

菌盖阔 6—9 厘米, 中凸而周扁平, 湿润或微粘, 光滑或具暗而细的条纹, 粘膜质, 初期白色, 后转灰褐色。褶片狭而薄, 阔 1.5—1.9 毫米, 贴生或远离生, 象牙白色。柄 7—10 厘米长, 0.3—0.4 厘米阔, 等粗而中空, 中生, 上端白色。基部褐色或黑褐色, 菌索白色。担孢子透明, 5—6.5 × 3.5—4.5 微米, 狭卵形, 阔卵形或近卵形。侧生囊状体 25—36 × 9—14 微米, 腹鼓状, 圆柱状, 头状, 具疣和瘤状突起。盖面囊状体圆柱状或棒状, 10—48 × 4—8 微米, 有棘状突, 薄而透明, 且多异形。

西藏: 察隅县, 下察隅, 生于潮湿林下栎树腐木上。1. IX. 1976. 臧穆 647 (模式! 标本存昆明植物研究所标本室 [HKAS:5647])。

Marasmius tibeticus Zang sp. nov. (Plate I :8—11)

Pileus 6-9 cm latus, centrice convexo planus, humidus vel viscidulus, laevis vel obscure ruguloso-striatus, viscidulo-membranaceus, albus demum pallide brunneus. Lamellae angustae tenuesque ad 1.5-1.9 mm latae, adnatae vel remotae, eburneae. Stipes 7-10 cm longus, 0.3-0.4 cm crassus, cavus, aequalis, centralis, apice albidus, basi brunneus vel atrobrunneus. Rhizomorphae albidae. Basidiosporae hyalinae, 5-6.5 × 3.5-4.5 μm. anguste vel late ellipticae vel obovatae. Pleurocystidia 25-36 × 9-11 μm. ventricosa, cylindrica vel capitata. verrucosa, tuberculosa. Pileocystidia cylindrica vel clavata, echinidiis 10-48 × 4-8 μm. Cum projecturis hyalinis subtiliter et indistincte divisis.

Hab.: In sylvis humidis, in cortice et ligno putrido Quercus.

Xizang (Tibet): Zayu, 1. IX. 1976. Zang Mu 647 (Typus), (HKAS:5647)

本种近似盔瓣皮伞菌 *Marasmius galericulata* (Fr.) Quél. 但侧生囊状体具短粗瘤突起, 且菌盖较大, 其盖径一般大于 6 厘米。

SOME NEW SPECIES OF HIGHER FUNGI FROM XIZANG (TIBET) OF CHINA

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ABSTRACT

The present paper deals with 4 new species of higher fungi which were collected in Xizang (Tibet). These new taxa are:

1. *Acetabula purpurea* Zang. (Pezizaceae)

The species is closely related to *Acetabula macropus* (Clem.) Sacc., but may be distinguished from the latter by its purple ascocarp, shorter stipe and smaller ascospores ($8.7-10 \times 4.5-5 \mu\text{m}$.)

2. *Lampteromyces luminatus* Zang (Pleurotaceae)

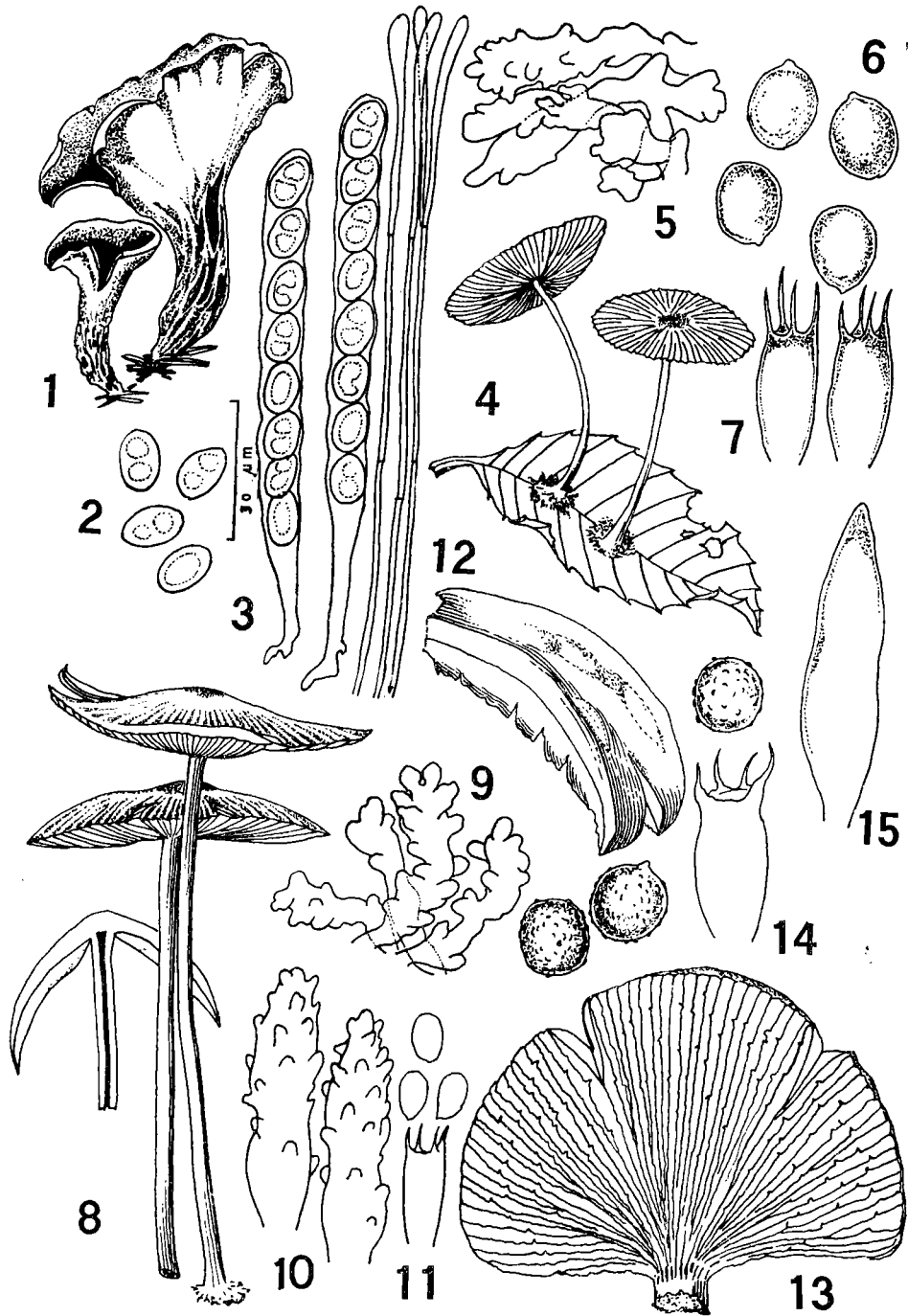
This species is found in subtropical forests, its current distribution is limited along the southeastern region of Tibet only. This species does superficially resemble *Lampteromyces japonicus* (Kawamura) Sing. but the rough basidiospores are distinguished.

3. *Marasmius macrosporus* Zang (Tricholomataceae)

This species is remarkable for its radical furrowed pileus and larger basidiospores ($20-24 \times 16-18 \mu\text{m}$). Which distinguish it immediately from the species *Marasmius sanguinolenta* (Fr.) Quél.

4. *Marasmius tibeticus* Zang (Tricholomataceae)

The species is close to *Marasmius galericulata* (Fr.) Quél. But is distinguished by its larger pileus, that often more than 6 cm in diameter, and the pileocystidia with sturdy and short process.



紫椽盘菌 *Acetabula purpurea* Zang 1. 外形 (原大), 2. 子囊孢子, 3. 子囊和隔丝
 大孢皮伞菌 *Marasmius macrosporus* Zang 4. 外形 (原大), 5. 盖面囊状体, 6. 担孢子, 7. 担子
 西藏皮伞菌 *Marasmius tibeticus* Zang 8. 外形 (原大), 9. 盖面囊状体, 10. 侧囊状体, 11. 担孢子和担子
 亮耳菌 *Lampteromyces luminatus* Zang 12. 外形 (部分菌盖原大之 $\times 2/3$), 13. 外形 (示菌褶部分原大之 $\times 2/3$),
 14. 担孢子和担子, 15. 褶缘囊状体.