

## The Flora of Higher Fungi in Mt. Mudeung Area(II)

Duck-Hyun Cho and Ji-Yul Lee\*

Department of Sanitation Science, Kwangju Health Junior College, Kwangju 500 and

Department of General Education, Seoul Woman's College, Seoul 133-02, Korea\*

### 無等山一帶의 高等菌類相(II)

趙德炫·李址烈\*

光州保健専門大學衛生科·서울女子大學教養學科\*

**Abstract:** One hundred specimens of higher fungi were collected at Mt. Mudeung area from April to October, 1980. These higher fungi were identified and classified into 2 classes, 2 subclasses, 7 orders, 14 families, 21 genera and 33 species. Among them, *Baeospora* proved to be new genus in Korea. And *Baeospora myosura* (Fr.) Sing., *Marasmius purpureostriatus* Hongo, *Psathyrella gracilis* (Fr.) Quél., *Inocybe sphaeospora* Kobayasi and *Trametes coccinea* Fr. were found to be new in Korea.

### I. The Description of the New Species of Fungi in Korea

#### Tricholomataceae 송이科

*Baeospora myosura* (Fr.) Sing. 솔방울버섯 아재비

(新稱)

Singer, Rev. Myc. 3:191, 1938; Agricale 367, 1949.

*Agricus myosurus* Fr. Syst. Myc. 1:132, 1821.

*Collybia mysura* Quél. Champ. Jura Vosg. 1:95, 1872.

Ito, S., Myc. Fl. Japan 2(5):218, 1955.

Imazeki, R. and T. Hongo, Coll. Ill. Fung.

Jap. vol. 1, 38, pl. 15, f. 81. 1957.

Pileus 3.4~6cm broad, semiglobulous to plane, bulbous, easily splitted, light brown, cellulose-shaped of deep light brown, deeper at center, flesh thin, white.

Lamellae 3~4mm wide, whitish yellow, crowded, adnate. Stipe 4.5~6cm long, 3~4mm thick, thick at base, light brown, farinaceous of white distributed on surface, easily splitted, hair attached at base, tough, hollow, whitish yellow. Spores 4.2~6.2×2.7~3.6 $\mu$ m, white, elliptical, spore print white.

Hab.: Cespitose on pine cone, in summer to fall.

Distr.: Korea (Kwangju), Japan and Europe.

*Marasmius purpureostriatus* Hongo 차주색 줄무늬  
낙엽버섯(新稱)

Imazeki, R. and T. Hongo, Coll. Ill. Fung. Jap.  
vol. II, 30, pl. 9, f. 54, 1965.

Pileus 1~1.5cm broad, campanulated or conic-shaped, radially furrow, hill yellowish brown, valley purplish brown flesh thin, tough. Lamellae 1.5~2mm wide, wrinkled, whitish yellow or whitish gray, tough, sparse, distant. Stipe 4.5~5.5cm long, 1mm thick degree, thick upward, darkish yellow to darkish brown, whitish yellow upward, fine hair appeared on surface, long white hair of hyphae attached at base, hollow. Spores 26.5~31.5×5.7~6.2 $\mu$ m, long fusiform, nonamyloid.

Hab.: Gregarious on fallen leaves during spring to fall.

Distr.: Korea (Mt. Mudeung) and Japan.

#### Coprinaceae 먹물버섯科

*Psathyrella gracilis* (Fr.) Quél. 가는대 눈물버섯  
(新稱)

Quél., Champ. Jura Vosg. 1:152, 1872.

Ito, S., Myc. Fl. Japan 2(5): 310, 1955.

Imazeki, R. and T. Hongo, Coll. Ill. Fung. Jap.

vol.I, 56, pl. 25, f. 139., 1957.

Singer, R. Agricale, 497, 1975.

*Agaricus gracilis* Pers. Syn. Meth. Fung. 425, 1981.

*Coprinarius gracilis* Quél. Enchir. Fung. 119, 1886.

*Drosophila gracilis* Quél. Fl. Myc. 57, 1888.

*Psathyrella gracilis* Bertrand, Bull. Soc. Myc. Fr. 17:277, 1901.

Pileus 2~3cm broad, campanulated or semiglobulous, grayish olive or pale yellowish brown at center, farinaceous of pink distributed on surface, furrow at margin, flesh thin. Lamellae grayish olive to darkish brown, farinaceous of pink at edge, crowded, adnexed. Stipe 6.5~10.7cm long, 1~2mm thick, slender, thick at base, whitish yellow, hyphae of white attached at base, hollow. Spores 11.4~14.3×5.7~7.9 μm, elliptical germ pore present, nonamyloid, membrane thick.

Hab.: Cespitose on soils of fallen leaves in forests.

Distr.: Korea (Mt. Mudeung), Japan, Europe, North America and Africa.

#### Cortinariaceae 곤적버섯科

*Inocybe sphaeospora* Kobayasi 등근포자 탐버섯(新稱) Kobayasi, Nagoa, 2:80, f. 27, pl. I, f.L. 1952. Ito, S., Myc. Fl. Japan 2(4):359, 1955. Imazeki, R. and T. Hongo, Coll. Ill. Fung. Jap. vol. I, 67, pl. 29, f. 164., 1957.

Pileus 3.4~8cm broad, round-shaped to plane, bullate yellow or pale yellow, cellulose-shaped, radially splintered at margin, flesh thin yellow. Lamellae 4~10mm wide, yellow to stained yellow, crowded, free. Stipe 3.7~7cm long, 0.7~1cm thick, little round at base, bent, cellulose of striate yellow, farinaceous upward, solid, yellow. Spores 6.4~7.2×5.0~5.7μm, subglobose, projection attached at end, spore print dull orange.

Hab.: Solitary on soils under *Pinus* spp. forests in fall.

Distr.: Korea (Mt. Mudeung) and Japan.

#### Polyporaceae 구멍장이 버섯科

*Trametes coccinea* Fr. 뺨간색 송편버섯(新稱)

Imazeki, R. and T. Hongo, Kinoko, 80, f. 154, 1976.

Pileus 1.3~3.6cm semiattached, shell shaped, reddish orange to dark, tube red, reddish orange at edge, tomentose on surface, tough, irregular circular, tube fine. Spores 5.7~7.9×5.0~5.7μm, subglobose,

amyloid, spiny on surface, projection attached at end, hyphae 1.4~4.3μm wide, thick.

Hab.: Overlapping on *Quercus* sp. and decayed trees, in summer to fall.

Distr.: Korea (Kwangju park and Mt. Mudeung) and South tropical.

## II. The List of Higher Fungi in Mt. Mudeung Area

### Basidiomycetes 담자균綱

Heterobasidiae 이담자亞綱

Auriculariales 목이目

Auriculariaceae 목이科

*Auricularia auricula-judae* (Fr.) Quél. 목이

Homobasidiae 동담자亞綱

Hymenomycetes 균심류

Agricales 주름버섯目

Tricholomataceae 송이科

*Collybia peronata* (Fr.) Kummer 가랑잎 애기버섯

*Asterophora lycoperdoides* S.F. Gray 덧부치버섯

*Lepista nuda* (Fr.) W.G. Smith 민주름방망이버섯

*Mycena pura* (Pers. ex Fr.) Quél. 탐은 애주름버섯

*Oudemansiella longipes* (St. Amans) Moser 텔진뿌리  
버섯

Amanitaceae 팽대버섯科

*Amanita spissaceae* Imai 뱈껍질 팽대버섯

*A. rubescens* (Fr.) S.F. Gray 점박이 팽대버섯

Agricaceae 주름버섯科

*Agricus arvensis* Fr. 황갈색 주름버섯

Coprinaceae 먹물버섯科

*Coprinus comatus* (Fr.) S.F. Gray 먹물버섯

*C. plicatus* (Fr.) Fr. 좀밀먹물버섯

*Psathyrella candolena* A.H. Smith 죽재비눈물버섯

*P. velutina* (Fr.) Sing. 쁘눈물버섯

Boletaceae 그루버섯科

*Boletus luridus* Fr. 독그루버섯

*B. pulverulentus* Opat. 밤꽃그루버섯

*Phylloporus rhodoxanthus* (Schw.) Bres 민그루버섯

Russulaceae 무당버섯科

*Russula foetens* (Fr.) Fr. 짜내기 무당버섯

*R. lepida* Fr. 줄각무당버섯

*R. pseudodelica* Lange 흰무당버섯아재비

*R. xerampheolina* (Schr.) Karst. 포도무당버섯

**Strobilomycetaceae** 귀신그늘버섯科

*Strobilomyces floccopus* (Fr.) Karst. 숨귀신그늘버섯

**Aphyllophorales** 만주름目

**Polyporaceae** 구멍장이버섯科

*Coriolus hirsutus* (Fr.) Quél. 흰구름버섯

*Fomitopsis cystisina* (Berk.) Bond. et Sing. 흑잔나

비버섯

**Gastromycetes** 복균류

**Lycoperdales** 말불버섯目

**Lycoperdaceae** 말불버섯科

*Calvatia craniiformis* (Schw.) Er. 말장버섯

**Phallales** 말뚝버섯目

**Phallaceae** 말뚝버섯科

*Mutinus bambinus* (Zoll.) Frisch. 끝검은뱀버섯

**Ascomycetes** 자낭균綱

**Pezizales** 주발버섯目

**Pezizaceae** 주발버섯科

*Macropodia macropus* (Pers.) Fuckel. 긴대주발버섯

**Helotiales** 고무버섯目

**Geoglossaceae** 콩나물버섯科

*Leotia lubrica* Fr. 콩두건버섯

**Sphaeriales** 콩버섯目

**Xylariaceae** 콩고투리버섯科

*Xylaria polymorpha* (Pers.) Grev. 콩고투리버섯

**概要**

1980年 4月부터 1980年 10月까지 無等山一帶의 高等  
菌類를 100餘點 採集하여 同定하였다. 그結果 *Baeospora*의 세로운 屬과 *Baeospora myosura*(Fr.) Sing. *Marsmius purpureostriatus* Hongo, *Psathyrella gracilis* (Fr.) Quél., *Inocybe sphaeospora* Kobayasi 그리고 *Trametes coccinea* Fr.의 韓國未記録種을 包含하여 2綱  
2亞綱, 7目, 21屬, 33種을 分類하였다.

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**Explanations of the Plates**

**Plate I**

- A. *Baeospora myosura* (Fr.) Sing.  
 A-1, carpophores  $\times 1/2$       A-2, spores  $\times 1000$
- B. *Marasmius purpureostriatus* Hongo.  
 B-1, carpophores  $\times 1/2$       B-2, spores  $\times 1000$
- C. *Psathyrella gracilis* (Fr.) Qué.  
 C-1, carpophores  $\times 1/2$       C-2, spores  $\times 1000$

**Plate II**

- A. *Inocybe sphaeospora* Kobayasi  
 A-1, carpophores  $\times 1/2$       A-2, spores  $\times 1000$
- B. *Trametes coccinea* Fr.  
 B-1, carpophores  $\times 1/2$       B-2, spores  $\times 1000$   
 B-3, hyphae from tube trama  $\times 1000$

Plate I

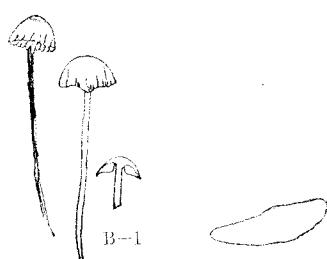
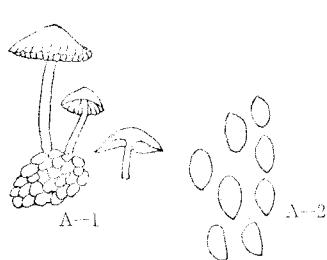


Plate II

