

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

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無等山一帶의 高等菌類相(II)

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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 *Trameles 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. 슬방울 버섯 아재비 (新稱)

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

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

Collybia myosura 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, 33, pl. 15, f. 81. 1957.

Pileus 3.4~6cm broad, semiglobulose to plane, bullate, easily splattered, 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 splattered, hair attached at base, tough, hollow, whitish yellow. Spores 4.2~6.2×2.7~3.6 μ m, white, elliptical, spore print white.

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

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

Marasmius purpureostriatus Hongo 자주색 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, campanulate 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 μ 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. 가느래 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. *Agricales*, 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, campanulate 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 11.4~14.3x5.7~7.9 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 끈적버섯과

Inocybe sphaeospora Kobayasi 등근포자 담버섯(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 6.4~7.2x5.0~5.7 μm, 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 버섯과

Trametes coccinea Fr. 빨간색 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 5.7~7.9x5.0~5.7 μm, subglobose,

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

Heterobasidiales 이담자亞綱

Auriculariales 목이목

Auriculariaceae 목이목과

Auricularia auricula-judae (Fr.) Quél. 목이

Homobasidiales 등담자亞綱

Hymenomycetes 균실류

Agricales 주름버섯목

Tricholomataceae 송이버섯과

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. 맑은 애주름버섯

Oudemansiella longipes (St. Amans) Moser 털긴뿌리버섯

Amanitaceae 광대버섯과

Amanita spissaceae Imai 매횈질 광대버섯

A. rubescens (Fr.) S.F. Gray 점박이 광대버섯

Agricaceae 주름버섯과

Agricus arvensis Fr. 황갈색 주름버섯

Coprinaceae 먹물버섯과

Coprinus comatus (Fr.) S.F. Gray 먹물버섯

C. plicatilis (Fr.) Fr. 좁밀먹물버섯

Psathyrella candolena A.H. Smith 죽재비눈물버섯

P. velutina (Fr.) Sing. 큰눈물버섯

Boletaceae 그물버섯과

Boletus luridus Fr. 득그물버섯

B. pulverulentus Opat. 밤꽃그물버섯

Phylloporus rhodoxanthus (Schw.) Bres 민그물버섯

Russulaceae 무당버섯과

Russula foetens (Fr.) Fr. 깔대기 무당버섯

R. lepida Fr. 줄각무당버섯

R. pseudodelica Lange 흰무당버섯(아재비)

R. xerampelina (Secr.) Karst. 포도무당버섯

Strobilomycetaceae 귀신그물버섯과

Strobilomyces floccopus (Fr.) Karst. 솜귀신그물버섯

Aphylophorales 민주름목

Polyporaceae 구멍장이버섯과

Coriolus hirstus (Fr.) Quél. 흰구름버섯

Fomitopsis cystisina (Berk.) Bond. et Sing. 흑잔나비 버섯

Gastromycetes 복균류

Lycoperdales 말불버섯목

Lycoperdaceae 말불버섯과

Calvatia craniformis (Schw.) Er. 말장버섯

Phallales 말뚝버섯목

Phallaceae 말뚝버섯과

Mutinus bambusinus (Zoll.) Frisch. 끝집은 뱀버섯

Ascomycetes 자낭균綱

Pezizales 주발버섯목

Pezizaceae 주발버섯과

Macropodia macropus (Pers.) Fuckel. 긴대주발버섯

Helotiales 고무버섯목

Geoglossaceae 콩나물버섯과

Leotia lubrica Fr. 콩두진버섯

Sphaeriales 콩버섯목

Xylariaceae 콩고투리버섯과

Xylaria polymorpha (Pers.) Grev. 콩고투리버섯

摘 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 새로운 屬과 *Baeospora myosura*(Fr.) Sing. *Marasmius purpureostriatus* Hongo, *Psathyrella gracilis* (Fr.) Quél., *Inocybe sphaeospora* Kobayasi 그리고 *Trametes coccinea* Fr.의 韓國未記錄種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.) Quél.

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

