

Taxonomic Study on Korean Basidiomycetes

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韓國產擔子菌類分類學的研究

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Abstract: Among the higher fungi collected from 5 different locations in Korea, 37 species of Basidiomycetes were demonstrated to be new to Korea. These included 10 edible species and 27 inedible species.

Korean common names of all the fungi were designated by the authors.

Since Okada (1932) completed the taxonomical study on 11 species of polyporoids fungi distributed in Korea, other unrecorded species of higher fungi in Korea have been found and listed by many workers (Murata, 1934; Lee, 1935; Uyeki, 1936; Kaburaki, 1940; Takaki, 1943~1945; Lee and Lee, 1957; Kim, 1958; Lee and Lee, 1958; Lee, 1959; Lee, et al., 1959; Lim, 1958; Lee and Jeong, 1972; Lim and Kim, 1972; Kim and Kim, 1973; Hong, 1973).

Recently, attempts to compile a list of higher fungi in Korea have been made by various workers; a total of 274 species of higher fungi were described by Lee (1957) in his list. Lim and Kim (1972) listed the total of 386 species including 5 previously unreported in Korea. Also Lee and Jeong (1972) compiled a list of 368 species of Basidiomycetes from previous records and added 13 unrecorded species in Korea. Thereafter, 16 species new to Korea were reported by Lee and Jeong (1973), Lee (1973) and Jeong (1974) and were added to the list of previously recorded higher fungi.

In this paper, a total of 37 species distributed in 12 families are reported. These have not previously been described in Korea. These species were collected in Suweon, Kwangnung, Taekwanryong, Mt. Chiri and Mt. Hanla during the period of 3 years from 1973 to 1975. Morphological and histological characteristics of the fungi were examined and identification of the fungi was done according to Imazeki and Hongo's classification key (1965, 1970, 1971) which was based on the taxonomic system of Agaricales established by Singer (1962). In addition, edibility of the fungi was checked. All the collections are dried and deposited in the author's herbarium. Korean common names of the fungi were designated by the authors.

Basidiomycetes

Homobasidiae

Hymenomycetes

Agaricales

Hygrophoraceae

1. *Hygrophorus conicus* (Fr.) Fr. (Edible) 붉은

산벚꽃버섯

2. *H. psittacinus* (Fr.) Fr. 이끼벚꽃버섯

Tricholomataceae

3. *Laccaria tortilis* (S. F. Gray) Cooke 밀줄자버섯

4. *Clitocybe candicans* (Fr.) Kummer 비단빛깔대기버섯

5. *C. clavipes* (Fr.) Kummer (Edible) 배불뚝이깔대기버섯

6. *C. geotropa* (St. Amans) Qué! 굽다리깔대기버섯

7. *Collybia maculata* (Fr.) Kummer (Edible) 점박이애기버섯

8. *C. peronata* (Fr.) Kummer 가랑잎애기버섯

9. *Omphalina rustica* (Fr.) Qué! 좀술잔버섯

Amanitaceae

10. *Amanita agglutinata* (Berk, et Curt.) Lloyd 큰주머니광대버섯

11. *A. griseofarinosa* Hongo 미친머리광대버섯

12. *A. hemibapha* (Berk. et Br.) Sacc. 긴골광대버섯

13. *A. lon gistriata* Imai 긴골광대버섯아재비

14. *A. pseudoporphyria* Hongo 암회색광대버섯아재비

Agaricaceae

15. *Lepiota alborubescens* Hongo (Edible) 변색흰갓버섯

16. *Agaricus subrutilescens* (Kauffm.) Hotson et Stuntz 진갈색들버섯

Coprinaceae

17. *Coprinus plicatilis* (Fr.) Fr. 좀밀떡물버섯

Bolbitaceae

18. *Agrocybe arvalis* (Fr.) Sing. (Edible) 애기벚갓버섯

Cortinariaceae

19. *Inocybe cincinnata* (Fr.) Qué! 곰솔머리땀버섯

20. *I. cookei* Bres. 단발머리땀버섯

21. *Cortinarius pseudosalor* J. Lange 가지색곤적버섯자재비

22. *C. salor* Fr. 가지색 곤적버섯

Rhodophyllaceae

23. *Rhodophyllus murrarii* (Berk. et Curt.) Sing. f. *albus* (Hiroe) Hongo 흰꼭지버섯

Boletaceae

24. *Tylopillus eximius* (Peck.) Sing. 은빛쓴맛그물버섯

25. *T. virens* (Chiu) Hongo 녹색 쓴맛그물버섯

26. *Boletus auripes* peck 교섭붉은두메그물버섯

27. *B. erythropus* (Fr.) Secr. (Edible) 붉은대그물버섯

28. *Leccinum extremiorientale* (L. Vass) Sing. 접시노란대그물버섯

Strobilomycetaceae

29. *Porphyrellus pseudoscaber* (Secr.) Sing. ssp. *cyaneocinctus* Sing. 미친그물버섯

Russulaceae

30. *Russula flavida* frost et Peck 노랑무당버섯

31. *R. vesca* Fr. (Edible) 조각무당버섯

32. *R. violeipes* Qué! 자주빛 무당버섯

33. *R. xerampelina* (Secr.) Fr. (Edible) 포도무당버섯

34. *Lactarius lignyotus* Fr. 갯빛헛대젓버섯

35. *L. subzonarius* Hongo (Edible) 당귀젓버섯

36. *L. subpiperatus* Hongo 매운젓버섯

Aphylllophorales

Polyporaceae

37. *Polyporus confluens* (A. et A.) Fr. (Edible) 다발구멍장이버섯

摘 要

1973년부터 1975년까지 水原, 光陵, 大關嶺, 智異山 및 漢拿山等 5個 地域에서 132種의 高等菌類를 採集하여 同定하였고, 그 中에서 12科, 37種이 韓國未記錄種이었음이 밝혀졌으며 10種은 食用버섯이었고 27種은 食用이 不可能한 種들이었다.

이들 버섯의 우리나라 이름이 著者들에 의해서 新稱되었다.

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