

# The Mycoflora of Higher Fungi in Mt. Paekdu

Duck-Hyun Cho

Department of Bioscience & Biotechnology, College of Natural  
Science and Engineering Woosuk University

## Abstract

Some 420 species of higher fungi were collected from the Mt. Paekdu, Songwha river and their adjacent areas from 28th July 12th of August, 1991 and identified to 2 subdivisions, 4 classes, 2 subclasses, 12 orders, 51 families, 141 genera and 336 species. The dominant species were *Clitocybe gibba*, *C. clavipes*, *Cystoderma amianthum*, *Hygrocybe flavescens*, *H. miniata*, *Russula cyanoxantha*, *R. emetica*, *Lactarius lignyotus*, *L. torminosus* and *Phellinus igniarius*.

## Introduction

Mt. Paekdu is the highest mountain in Korea, which is located between north latitude 41° 31' -42° 38' and east latitude 127° 09' -128° 55'. Administrative district of it belongs to Samgyon-Kun, Hamkyungbuk-Do, Korea (present Yang-kang-Do in North Korea) and Ido-Backha-Jin, Ando-Hyon, 1 Killim-Sung of China. Flora of plants and animals in this area have been protected under the special administration by UNESCO.

Mt. Paekdu has plenty of plants and animals because of virgin forests several hundred years. The studies of them have been accomplished in a part by Lee (1990) and Lee (1991) in Korea, but the studies on higher fungi have never reported until now. Some 420 specimens were collected his time at Naedusan, Ido-Backha near the Mt. Paekdu and also got at the basin of Songwha river from July 2001 to August, 1991.

The identifications of them showed; 2 subdivisions, 4 classes, 2 subclasses, 12 orders, 51 families, 141 genera and 336 species. The Dominant species in Mt. PAekdu and it surrounding were *Clitocybe gibba*, *C. clavipes* of Tricholomataceae, *Cystoderma amianthum* of Lepiotaceae, *Russula cyanoxantha*, *Lactarius ligyotus* of Russulaceae, *Phelliinus igniarius* of Hymenochaetaceae and the dominant species collected along the basin of Songwha river from the its sumit were *Hygrocybe flavescens*, *H. miniata* of Hygrophoraceae,

*Russula emetica*, *R. cyanoxantha*, *Lactarius torminosus* of Russulaceae.

The species found near Mt. Paekdu were listed this.

## Materials and Methods

survey period : 1991 - 2001

Place : Mt. Paekdu

survey methods : higher fungi were photographed at presen collection and were collected. They were moved to laborlatory and made sopre print. Spores were observed by microscope. They were dried and deposited.

Identification : Identification of higher fungi were used references.

## Result

The list of Higher Fungi in Mt. Paekdu Areas

Basidiomycotina 담자균아문

Eubasidiomycetes 진정담자균강

Hymenomycetidae 모균아강

Agaricales 주름버섯목

*Lepiotaceae* 갓버섯과

*Lepiota autesquamosa* (Weinm. ex Fr.) Gill. 가지갓버섯

*L.clypeolaria* (Fr.) Quel. 방패갓버섯

*L. cristata* (Bolt. ex Fr.) Kummer 갈색고리갓버섯

*L. cygnea* J. Lange 백조갓버섯

*Cystoderma amiantinum* (Scop. ex Fr.) Fayod 참낭피버섯

*C. fallax* A. H. Smith et Sing. 꿀낭피버섯

*C. cinnabarinum* (Alb.et Schw.) Fayod 황갈낭피버섯

*Leucocoprinus birnbaumii* (Corda) Sing. 노란각시버섯

*Leucoagaricus rubrotinctus* (Peck) Sing. 주홍갓버섯

*Macrolepiota procera* (Scop. ex Fr.) Sing 갓버섯

Amanitaceae 광대버섯과

- Amanita citrina* S.F. Gray 애광대버섯  
*A. flavipes* Imai 노랑대광대버섯  
*A. hemibapha* (Berk. et Br.) Sacc. 달갈버섯  
*A. pantherina* (Dc. ex Fr.) Krombh 마귀광대버섯  
*A. rubescens* Pers. ex Fr. 붉은점박이광대버섯  
*A. rubrovolvata* Imai. 붉은점박이 광대버섯  
*A. vaginata* (Bull. ex Fr.) Vitt. 우산버섯  
*A. vaginata* (Bull. ex Fr.) var. *fulva* (Schaeff.) Gill. 고동색우산버섯  
*A. vaginata* (Bull. ex Fr.) var. *punctata* (Clelandet Ched) Gill. 큰우산버섯  
*A. vaginata* (Bull. ex Fr.) var. *alva* Gill. 흰우산버섯  
*A. vaginata* var. *regaris* (Fr.) Bertillon 광대버섯아재비

Pluteaceae 난버섯과

- Volvariella bombycina* (Schaeff. ex Fr.) Sing. 흰비단털버섯  
*V. speciosa* var. *speciosa* Sing. 예쁜털버섯아재비  
*Pluteus atricapillus* (Batch) Foyod 난버섯  
*P. leoninus* (Schaeff. ex Fr.) Kummer 노란그늘치마버섯

Agaricaceae 주름버섯과

- Agaricus arvensis* Schaeff. ex Fr. 흰주름버섯  
*A. campestris* L. ex Fr. 주름버섯  
*A. placomyces* Pk. 주름버섯아재비

Entolomataceae 외대버섯과

- Entoloma crassipes* Imaz. & Toki 외대덧버섯  
*E. clypeatum* (L.) Kummer. 방패외대버섯  
*E. rhodopolium* (Fr.) Kummer. 샷갓외대버섯  
*E. sinuatum* (Bull.: Fr.) Kummer. 굽은 외대버섯  
*E. lazurina* Qu'el. 흑청색외대버섯  
*E. lampropum* (Fr.) Hesler 빛외대버섯  
*Clitopilus prunulus* (Scop. ex Fr.) Kummer 그늘버섯

Hygropholaceae 벚꽃버섯과

*Hygrophorus lucorum* Kalchbr. 노란털벚꽃버섯

*H. russula* (Schaeff. ex Fr.) Qu' el. 다색벚꽃버섯

*Hygrocybe acutoconica* (Clem.) Sing. f. *jponica*(Hongo) Hongo 좁꼬갈벚꽃버섯

*H. cantharellus* (Schw.) Murr. 화병벚꽃버섯

*H. coccinea* (Schaeff. ex Fr.) Kummer 진빨간벚꽃버섯

*H. conica* (scop. et Fr.) Kummer 붉은산벚꽃버섯

*H. cuspidata* (Peck) Kummer 붉은산벚꽃버섯

*H. flavescens* (Kauffm). Sing. 노란대벚꽃버섯

*H. imazekii* (Hongo) Hongo 황적색벚꽃버섯

*H. miniata* (Fr.) Kummer 붉은무명버섯

*H. psittacina* (Schaeff. ex. Fr.) Wunsche 이끼벚꽃버섯

*H. subcinnabarina* (Hongo) Hongo 황적색벚꽃버섯

*Camarophyllus virgineus* (Walt.: Fr.) Kummer 처녀버섯

Tricholomataceae 송이버섯과

*Lyophyllum connatum* (Schum. ex Fr.) Sing 흰주름갈대기버섯

*Asterophora lycoperdoides* (Bull.) Ditm.ex Fr. 덧부치버섯

*Calocybe gambosa* (Fr.) Sing. 밤버섯

*Laccaria proxima* (Boud.) Mair 큰줄각버섯

*L. laccata* (Fr.) Berk. et Br. 줄각버섯

*Clitocybe candicans* (Pers. ex Fr.) Kummer 비단빛갈대기버섯

*C. clavipes* (Pers. ex Fr.) Kummer 배불뚝이갈대기버섯

*C. flaccide* (Fr.) Kummer 끝말림갈대기버섯

*C. fragrans* (With. ex Fr.) Kummer 흰삿갓갈대기버섯

*C. gibba* (Pers. ex Fr.) Kummer 갈대기버섯

*C. odora* (Bull. ex Fr.) Kummer 하늘색갈대기버섯

*Clitocybula familia* (Peck) Sing. 애기무리버섯

*Tricholomopsis rutilans* (Schaeff. ex Fr.) Sing 술버섯

*T. decora* (Fr.) Sing. 장식술버섯

*Collybia butyracea* (Bull. ex Fr.) Qu' el. 버터애기버섯

*C. dryophila* (Bull. ex Fr.) Kummer 애기버섯  
*C. maculata* (Alb. et Schw. ex Fr.) Qu' el 점박이애기버섯  
*Lepista nuda* (Bull. ex Fr.) Cooke 민자주방망이버섯  
*Armillariella mellea* (Vahl ex Fr.) Karst. 뽕나무버섯  
*A. tabescens* (Scop.) Sing. 뽕나무버섯부치  
*Melanoleuca melaeuca* (Pers. ex Fr.) Murr. 잔디배꼽버섯  
*Panellus stypticus* (Bull. ex Fr.) Fr. 부채버섯  
*Xeromphalina campanella* (Batsch ex Fr.) Maire 이끼살이버섯  
*X. caudicinalis* (Fr.) Kuhn et Mre. 가랑잎이끼살이버섯  
*Gerronema fibula* (Bull.: Fr.) Sing. 이끼괘랭이버섯  
*Oudemansiella mucida* (Schrad. ex Fr.) Honel 끈적긴뿌리버섯  
*O. platyphylla* (Pers. ex Fr.) Moser 넓은술버섯  
*Marasmilellus nigripes* (Schw.) Sing 검은대낙엽버섯  
*M. candidus* (Bolt.) Sing. 하얀선녀버섯  
*Marasmius cohaerens* (Alb. et Schw. ex Fr.) Cooke 우산낙엽버섯  
*M. crinisequi* F. Mull. ex Kalchbr. 말총낙엽버섯  
*M. graminum*( Lib.) Berk. 풀잎낙엽버섯  
*M. maximum* Hongo 큰낙엽버섯  
*M. oreades* (Bolt. ex Fr.) Fr. 선녀낙엽버섯  
*M. ramealis* (Bull. ex Fr.) Fr. 마른가지낙엽버섯  
*M. pulcherripes* Peck 애기낙엽버섯  
*Mycena alcalina* (Fr. ex Fr.) Kummer 악취애주름버섯  
*M. haematopoda* (Pers. ex Fr.) Kummer 적갈색애주름버섯  
*M. osmundicola* J. Jange 흰애주름버섯  
*M. pelianthins* (Fr.) Qu' el. 줄각애주름버섯  
*M. pura* (pers. ex Fr.) Kummer 맑은애주름버섯  
*M. rorida* (Scop. ex Fr.) Qu' el. 점질대애주름버섯  
*M. stylobatea* (Pers. ex Fr.) Kummer 빨판애주름버섯

Pleurotaceae 느타리과

*panus rudis* Fr. 애참버섯

*Pleurotus cornucopiae* var. *citrinopileatus* (Sing)Ohira 노랑느타리

*P. ostreatus* (Jacq. ex Fr.) Kummer 느타리  
*P. pulmonarius* (Fr.) Qu' el. 산느타리  
*Lentinus lepideus* (Fr. ex Fr.) Fr. 잣버섯  
*Pleurocybella porrigens* (Pers.: Fr.) Sing. 넓은잎버섯

Cortinariaceae 끈적버섯과

*Inocybe asteropora* Qu' el. 샷갓땀버섯  
*I. calamistrata* (Fr.) Qu' el. 큰비늘땀버섯  
*I. calospora* Qu' el 비늘땀버섯  
*I. cincinnata* (Fr.: Fr.) Qu' el. 곱슬머리땀버섯  
*I. fastigiata* (Schaeff.) Qu' el 솔땀버섯  
*I. laccera* (Fr. ex Fr.) Kummer 비듬땀버섯  
*I. niigatensis* Hongo 모래밭땀버섯  
*I. maculata* Boud. 털땀버섯  
*I. mixtilis* (Britz.) 잡색땀버섯  
*I. praetervisa* Qu' el. 땀버섯아재비  
*I. umbratica* Qu' el. 흰땀버섯  
*I. griseolilacina* Lange 회보라땀버섯  
*I. hirtella* var. *hirtella* Kuyper. 센털땀버섯아재비  
*Cortinarius allutus* Fr. 적각색끈적버섯  
*C. bovinus* Fr. 황소끈적버섯  
*C. collinitus* (Sow. ex Fr.) Fr. 진흙끈적버섯  
*C. elatior* Fr. 키다리끈적버섯  
*C. pseudopurpurascens* Hongo 자주색끈적버섯아재비  
*C. pseudosalor* J. Lange 가지색끈적버섯아재비  
*C. purpurascens* (Fr.) Fr. 풍선끈적버섯  
*C. salor* Fr. 푸른끈적버섯  
*C. vibratilis* (Fr.) Fr. 쓴맛끈적버섯  
*C. varicolor* (Pers. ec Fr.) Fr. 다색끈적버섯  
*C. alboviolaceus* (Pers.: Fr) Fr. 흰보라끈적버섯  
*C. violaceus* (L.: Fr) Fr. 보라끈적버섯  
*Rozites caperata* (Pers. ex Fr.) Karst. 노란띠버섯

*Descolea flavannulate* (L. Vass). Horak 노란털돌버섯  
*Gymnopilus liquiritiae* (Pers. ex Fr.) Karst. 솔미치광이버섯  
*G. penetrans* (Fr. ex Fr.) Murr. 칩투미치광이버섯  
*G. spectabilis* (Fr.) Sing. 갈황색미치광이버섯

Crepidotaceae 귀버섯과

*Crepidotus applanatus* (Pers. ex Pers.) Kuhn. 평평귀버섯  
*C. badiofloccosura* Imai 노랑털귀버섯

Strophariaceae 독청버섯과

*Pholiota carbonaria* (Fr.) Sing 재비늘버섯  
*P. lubrica* (Pers.: Fr.) Sing. 갈색땃땃비늘버섯  
*P. squarrosoides* (Peck) Sacc. 칩비늘버섯  
*Naematoloma fasciculare* (Hudson ex Fr.) Karst. 노란다발  
*Kuehneromyces mutabilis* (Schaeff. ex Fr.) Sing.& A. H. Smith 무리우버섯  
*Psilocybe caprophila* (Bull. ex Fr.) Kuhn. 쯤환각버섯

Bolbitaceae 소똥버섯과

*Agrocybe praecox* (Pers. ex Fr.) Fayod 뱃짚버섯  
*A. semiorbicularis* (Bull.) Fayod 황토뱃짚버섯  
*Conocybe lactea* (J. Lange) Metrod 노란종버섯

Coprinaceae 먹물버섯과

*Coprinus atramentarius* (Bull. ex Fr.) Fr. 두염먹물버섯  
*C. disseminatus* (Pers. ex Fr.) S.F. Gray. 꼬깔먹물버섯  
*C. lagopus* (Fr.) Fr 소녀먹물버섯  
*C. micaceus* (Bull. ex Fr.) Fr. 갈색먹물버섯  
*C. radians* (Desm. ex Fr.) Fr. 노랑먹물버섯  
*Psathyrella candollians* (Fr. ex Fr.) Maire 죽재비눈물버섯  
*P. hydrophila* (Bull.) Maire 다람쥐눈물버섯  
*Panaeous sphinctrinus* (Fr.) Qu' el. 쯤말똥버섯

Boletaceae 그물버섯과

- Boletinus cavipes* (Opat.) Kalchbr. 황금그물버섯  
*B. paluster* (Peck) Peck 방망이황금그물버섯  
*Boletus edulis* Fr. 그물버섯  
*B. griseus* Frost 검정그물버섯  
*B. pseudocalopus* Hongo 산속그물버섯아재비  
*B. fraternus* Peck 붉은그물버섯

*Suillus aeruginascens* (Secr.) Snell 녹슬은그물버섯

- S. grevillei* (Klotz.) Sing. 큰비단그물버섯  
*S. pictus* (Peck) Smith et Thiers 줄황금비단그물버섯  
*S. placidus* (Bon) Sing. 평원비단그물버섯  
*Leccinum rufum* (Schaeff.) Kreis 동색겉겉이그물버섯  
*L. scabrum* (Fr.) S.F. Gray 거친겉겉이그물버섯  
*Tylopilus alboater* (Peck) Sing. 옹단쓴맛그물버섯  
*Xerocomus subtmentosus* (Fr.) Qu' el. 산그물버섯

Russulaceae 무당버섯과

- Russula aeruginea* (Lindbl. apud) Fr. 구릿빛무당버섯  
*R. alboareolata* Hongo 흰둘레무당버섯  
*R. albonigra* (Krombh.) Fr. 박하무당버섯  
*R. amoena* Qu' el. 가지무당버섯  
*R. atropurpurea* (Krombh.) Britz. 참무당버섯  
*R. aurata* (With) Fr. 금무당버섯  
*R. bella* Hongo 수원무당버섯  
*R. cyanoxantha* (Secr.) Fr. 청머루무당버섯  
*R. densifolia* (Scer.) Gill. 애기무당버섯  
*R. emetica* (Fr.) S. F. Gray 냄새무당버섯  
*R. flavida* Frost et Peck 노랑무당버섯  
*R. foetens* (Fr.) Fr. 깔대기무당버섯  
*R. fragilis* (Pers. ex Fr.) Fr. 홍색애기무당버섯  
*R. lauroceraci* Melzer 밀짚색무당버섯



*R. lepida* Fr. 졸각무당버섯  
*R. lilacea* Qy' el. 연보라무당버섯  
*R. nigricans.* (Bull.) Fr. 절구버섯  
*R. ochroleuca* (Secr.) Fr. 쪼개무당버섯  
*R. olivaceae* (Schaeff.) Fr. 혈색줄기무당버섯  
*R. pectinata* (St. Amans) Fr. 달팽이무당버섯  
*R. pseudodeliva* Lange 흰무당버섯아재비  
*R. sanguinea* Fr. 혈색무당버섯  
*R. senecis* Imai 흙무당버섯  
*R. vesca* Fr. 조각무당버섯  
*R. violeipes* Qu' el. 자주빛무당버섯  
*R. xerampelina* (Secr.) Fr. 포도무당버섯  
*Lactarius campholatus* (Fr.) Fr. 민맛젖버섯  
*L. chrysorrhoeus* Fr. 노랄젖버섯  
*L. gerardii* var. *gerardii* Smith & Thiers 주름검은젖버섯  
*L. laeticolorus* (Imai) Imaz. 붉은 젖버섯  
*L. lignyotus* Fr. 잿빛햇대젖버섯  
*L. lignyotus* var. *marginatus* Smith & Thiers 보라빛햇대젖버섯  
*L. piperatus* (Fr.) S. F. Gray 굴털이  
*L. pyrogalus* (Fr.) Fr. 제브라젖버섯  
*L. subdulcis* (Fr.) S. F. Gray 광릉젖버섯  
*L. torminosus* (Fr.) S. F. Gray 큰붉은젖버섯  
*L. vellereus* var. *vellereus* Smith & Thiers 흰털젖버섯아재비  
*L. violascens* (Ott.: Fr.) Fr. 잿빛젖버섯  
*L. uvidus* var. *uvidus* Smith & Thiers 물젖버섯아재비  
*L. zonarius* (Fr.:Neuh) var. *zonarius* Hesler & Smith 당귀젖버섯아재비  
*L. circellatus* var. *circellatus* 작은테젖버섯아재비  
*L. controversus* (Fr.) Fr. 째젖버섯  
*L. cilicioides* (Fr.) Fr. 염소털젖버섯

Paxillaceae 우단버섯과

*Paxillus involutus* (Batsch ex Fr.) Fr. 주름우단버섯

*P. panuoides* (Fr. ex Fr.) Fr. 은행잎우단버섯  
*P. curtisii* Ber. in Berk. et Curt. 꽃잎우단버섯

Aphyllorphorales 민주름버섯목

Ramariaceae 싸리버섯과

*Ramaria apiculata* (Fr.) Donk 바늘싸리버섯  
*R. aurea* (Schaeff. ex Fr.) Qu' el. 황금싸리버섯  
*R. flaccida* (Fr.) Ricken 다박싸리버섯  
*R. formosa* (Fr.) Qu' el. 붉은싸리버섯  
*Multiclavula mucida* (Fr.) Petersen 끈적뱅어버섯

Clavariaceae 국수버섯과

*Ramariopsis kunzei* (Fr.) Donk 쇠뜨기버섯  
*Clavaria purpurea* Mull. ex Fr. 자주국수버섯  
*C. vermicularis* Fr. 국수버섯  
*Clavicornia pyxidata* (Fr.) Doty 쯤나무싸리버섯

Clavariadelphaceae 방망이싸리버섯과

*Clavariadelphus pistillaris* (Fr.) Donk 방망이싸리버섯

Clavulinaceae 창싸리버섯과

*Clavulinopsis fusiformis* (Fr.) Corner 노란창싸리버섯  
*C. helvola* (Fr.) Corner 종창싸리버섯  
*C. miyabeana* S. Ito 붉은창싸리버섯

Cantharellaceae 피꼬리버섯과

*Cantharellus cibarius* Fr. 피꼬리버섯  
*C. fraiesii* Qu' el 호박피꼬리버섯  
*C. minor* Pk. 애기피꼬리버섯

Thelephoraceae 굴뚝버섯과

*Thelephora multiparita* Fr. 많은가지사마귀버섯

*T. terrestris* Fr. 사마귀버섯

Stereaceae 꽃구름버섯과

*Stereum hirsutum* (Willd ex Fr.) S.F. Gray 꽃구름버섯

*S. ostrea* (Bl. et Nees) Fr. 갈색꽃구름버섯

*S. spectabile* Klozsch 단풍꽃구름버섯

Sparassiaceae 꽃송이버섯과

*Sparasis crispa* Wolf. ex Fr. 꽃송이버섯

Corticaceae 고약버섯과

*Corticium chrysocreas* Berk. et Curt. 황금고양버섯

*Pulcherriicum caetuleum* (St. Amans) Parmasto 청자색모피버섯

Climacodontaceae 수염버섯과

*Climacodon septentrionalis* (Fr.) Karst. 수염버섯

Schizophyllaceae 차머보버섯과

*Schizophyllum commune* Fr. 치마버섯

Hydnaceae 턱수염버섯과

*Sarcodon aspratus* (Berk.) S. Ito 능이

*Hydneium aurantiacum* (Batsch.: Fr.) Karst. 황색깔대기버섯

*H. conrescens* (Pers.:Schw.) Banker 고리갈색깔대기버섯

*Phellodon melaleucus* (Fr.:Fr.) Karst 살팽이버섯

*Hydnum repandum* L. ex Fr. 턱수염버섯

*H. repandum* var. *album* Qu'el 흰턱수염버섯

*Basidioradulum malare* (Fr.) Furukawa 큰이빨버섯

*Steccherinum ochraceum* (Pers. ex Fr.) S.F.

Gray 바늘버섯

*Hericeum erinacium* (Bull. ex Fr.) Pers. 노루궁뎅이  
Meruliaceae 아교버섯과

*Stereopsis burtiannum* (Peck) Reid. 꽃자개버섯

Ganodermataceae 불로초과

*Ganoderma lucidum* (Leyss. ex Fr.) Karst. 불로초

Polyporaceae 구멍장이버섯과

*Merurius tremellosus* Fr. 아교버섯

*Coriorus consors*(Berk.) Imaz. 송곳니구름버섯

*C. hirsutus*(Fr.) Qu' el 흰구름버섯

*C. versicolor*(Fr.) Qu' el 구름버섯

*Fomes fomentarius*(L. ex Fr.) Kickx. 말굽버섯

*Lenzites betulina*(L. ex Fr.) Fr. 조개껍질버섯

*Daedalea dickinsii*(Berk. ex Cooke) Yasuda 등갈색미로버섯

*Trametes pubescens*(Schum ex Fr.) Pil. 흰융털구름버섯

*T. suaveolens*(L. ex Fr.) Fr. 송편버섯

*Pycnoporus cinnabarinnus*(Jacq. ex Fr.) Karst. 주걱간버섯

*P. coccineus*(Fr.) Bond et Sing. 간버섯

*Fomitopsis afficinarius*(Fr.) Bond. et Sing 말굽잔나비버섯

*F. insularis*(Murr.) Imaz. 벽돌빛잔나비버섯

*F. nigra*(Berk) Imaz. 검은잔나비버섯

*F. pinicola*(Fr.) Karst. 소나무잔나비버섯

*F. rhodophaeus*(Lev.) Imaz. 넓적잔나비버섯

*Favolus alveolarius* Qu' el. 벌집버섯

*F. arcularius*(Fr.) Amas. 쯤벌집버섯

*Daedaleopsis confragosa*(Bolt. ex Fr.) Schroet 도장버섯

*D. styracina*(P.Henn.) Imaz. 때죽도장버섯

*D. tricolor*(Fr.) Bond. et Sing. 삼색도장버섯

*Piptoporus beturina*(Bull. ex Fr.) Karst 자작나무버섯

*Laetiporus sulphurerus*(Fr.) Bond. et Sing. 덕다리버섯

*L. sulphureus* var. *miniatus*(Jungh) Imaz. 붉은덕다리버섯  
*Polyporus brumalis*(Fr.) Karst. 겨울우산버섯  
*P. picipes*(Fr.) Karst 검정대겨울우산버섯  
*P. elegans*(Fr.) Karst 노란대겨울우산버섯  
*Hirschioporus abietinus*(Fr.) Donk 옷솔버섯  
*H. fusco-violaceus*(Fr.) Donk 기와옷솔버섯  
*Microporus affinis*(Blume et Nees ex Fr.) Fr.매꽃버섯부치  
*Tyromyces borearis*(Fr.) Imaz 물렁개떡버섯  
*T. sambuceus*(Lloyd) Imaz. 명아주개떡버섯  
*Elfvigia applanata* (Pers.) Karst. 잔나비결상  
*Irpex lacteus*(Fr. ex Fr.) Fr. 기계층버섯  
*Bjerkandera adusta*(Fr.) Karst. 줄버섯  
*Gloeophyllum abietinum*(Fr. ex Fr. 전나무조개버섯

Hymenochaetaceae 소나무비늘버섯과

*H. yasudai* Imaz 무늬소나무비늘버섯  
*Coltricia cinnamomea*(Jacq. ex Fr.) Murr. 톱니겨우살이버섯  
*C. perennis*(L. ex. Fr.) Murr. 겨우살이버섯  
*Phaeolus schweinitzii*(Fr.) Pat. 해변버섯  
*Cyclomyces fuscus* Kunze 고리버섯

Pjellinaceae 진흙버섯과

*Phellinus igniarius*(L.ex. Fr.) Qu' el 말뚝진흙버섯  
*P. robustus*(Korst.) Bourd. et Galz. 찰진흙버섯

Heterobasidomycetes 이형담지자균아강

Tremellales 흰목이목

Tremellaceae 흰목이과

*Tremella foliacea* Fr. 흰목이  
*T. fuciformis* Berk. 꽃흰목이

*T. globospora* Reid 방울백목이  
*Exidia uva-passa* Lloyd 아교좁목이  
*Phlogiotis helvelloides* (Fr.) Martin 장미주걱목이  
*Pseudohydnum gelatinosum* (Scop. ex Fr.) Karst. 헛바늘목이

Auriculariales 목이목

Auriculariaceae 목이과  
*Auricularia auricula-judae*(Bull. ex St. Am.) Berk. 목이

Dacrymycetales 붉은목이목

Dacrymycetaceae 붉은목이과  
*Calocera cornea*(Batsch ex Fr.) Fr. 아교뿔버섯  
*C. viscosa*(Pers. ex Fr.) Fr. 등황색끈적짜리버섯  
*Dacrumyces palmatus*(Schw.) Brut. 손바닥붉은목이

gasteromycetes 복균강

Lycoperdales 말불버섯목

Lycoperdaceae 말불버섯과  
*Lycoperdon mammaeforme* Pers. ex Pers. 비늘말불버섯

*L. pedicellatum* Peck 긴꼬리말불버섯  
*L. perlatum* Pers. 말불버섯  
*L. pyriforme* Schaeff. ex Pers. 줌말불버섯  
*Lanopila nipponica*(Kaw.) Y. Kobay. 땡구알버섯

Tulostomatales 연지버섯목

Galostomataceae 연지버섯과

*Calostoma japonicum* P. Henn. 연지버섯

Astraeaceae 먼지버섯과

*Astraeus hygrometricus*(Pers.) Morg. 먼지버섯

Geastraceae 방귀버섯과

*Geastrum sessile*(Sow.) Pouz. 테두리방귀버섯

Phallales 말뚝버섯목

Phallaceae 말뚝버섯과

*Phallus rugulosus*(Fisch.) O. Kuntze 붉은말뚝버섯

*Mutinus bambusinus*(Zell.) Fisch. 끝검은뱀버섯

Clathraceae 바구니버섯과

*Lysurus mokusin*(L. ex Pers) Fr. 새주둥이버섯

Nidulariales 찻잔버섯목

Nidulariaceae 찻잔버섯과

*Cyathus stercoreus*(Schw.) De Toni 좁주름찻잔버섯

*C. striatus*(Hunds.) Wied. 주름찻잔버섯

Ascomycotina 자낭균이목

Discomycetes 반균강

Pezizales 주발버섯목

Helvellaceae 안장버섯과

*Helvella crispa* Fr. 주름안장버섯

*H. lacunosa* Afz. ex Fr. 안장버섯

*Leptopodia elastica*(St. Amans) Boud. 긴대안장버섯

*Cyromitra esculenta*(Pers.) Fr. 마귀곰보버섯

Peziziaceae 주발버섯과

*Peziza badia* Pers. ex Merat 자주주발버섯

*P. badoconfusa* Korf 고려주발버섯

*P. repanda* Pers. 넓은주발버섯

*P. vesiculosa* Bull. ex St. Amnas 주발버섯

Sarcosomataceae 털고무버섯과

*Galiella celebica*(P. Henn.) Nannf. 갈색털고무버섯

Pyromenataceae 접시버섯과

*Scutellinia scutellata*(L. ex St. Amans) Lamb 접시버섯

*Trichophaea gregaria*(Rehem) Boud. 무리털종지버섯

*Otidea alutacea*(Pers.) massee 주머니짜진귀버섯

Helotiales 고무버섯목

Geoglossaceae 콩나물고무버섯과

*Trichoglossum walteri*(Berk.) Dur. 왈트마귀순갈버섯

*Microglossum viride*(Pers. ex Fr.) Gill. 녹색좁콩나물버섯

*Spathularia clavata* Pers. ex Fr. 넓적콩나물버섯

*S. flavida* Pers. ex Fr. 황금넓적콩나물버섯

*Leotia lubrica* Pers. 콩두건버섯

*Cudonia circinans*(Pers.) Fr. 투구버섯

Sclerotiniaceae 균핵버섯과

*Bisporella citrina*(Batsch ex Fr.) Korf et Carpenter 황색황고무버섯

Demateaceae 살갓버섯과

*Chlorosplenium aeruginosum* (Gray) De Not. 녹청균



Pyrenomycetes 핵균강  
Sphaeriales 콩버섯과  
Hypocreaceae 육좌균과  
*Hypocrea rufa* (Pers. ex Fr.) Fr. 짐버섯

Xylariaceae 콩꼬투리버섯과  
*Xylaria carpophila*(Pers.) Fr. 젓가락콩꼬투리버섯  
*X. polymorpha*(Pers. ex Mer.) Grev. 다형콩꼬투리버섯  
*Daldinia concentrica*(Bott. ex Fr.) Ces. et do Not. 콩버섯

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