

Taxonomic Investigations on Korean Higher Fungi (I)

Jeong Han LIM and Byong Kak KIM

Korean Institute of Mushroom Research, Seoul and
College of Pharmacy, Seoul National University, Seoul, Korea

한국산 고등균류의 분류학적 연구(I)

林 鼎 漢·金 炳 珉

한국균심연구소·서울대학교 약학대학

To investigate the fungal flora in Korea, the basidiomycetes and other higher fungi were collected and examined. Five species *Coriolus pinsitus*, *Hirshioporus fusco-violaceus*, *Hymenurhaete intricata*, *Merulius tremellosus*, *Steccherinum ochraceum*, were newly added to the list of previously recorded Korean higher fungi, the total amounting to 386 species.

The earliest description of higher fungi in Korea was made by KIM in his book of history¹⁾ written in 1145, in which he recorded that two kinds of mushrooms were presented to the thirty-third King Seong Deok of Sil La Dynasty in 704 A.D. Probably the first outstanding book which listed exclusively higher fungi is HONG's "Si Yong Yak Bang Gyun Bo"(時用藥芳菌譜) which appeared in 1799. This book consists of four parts: the first part was concerned with general introduction of morphology, cultivation, cooking, harvesting and precautions; the second part with 52 edible mushrooms; the third part with 47 medicinal mushrooms; the fourth part with 12 poisonous mushrooms. The total of 111 mushrooms was described in order of vernacular names, morphology, color, host, characteristics, use, and synonyms.

During the subsequent century, publications concerning Korean higher fungi had not appeared, as far as the authors have searched for them. Whereas AOYANAGI cited merely three mushrooms in his compilation²⁾ published in 1916 and REE described five medicinal mushrooms³⁾ in 1931, respectively, an apparently first scientific description of the domestic mushrooms in this century was made by OKADA in 1932.⁵⁾ It is noteworthy

that he used binomial nomenclature in Latin in his report of eleven species of the Polyporaceae.

In 1932 MURADA listed 20 species of Korean mushrooms which were denoted by the vernacular common names as well as scientific names.⁶⁾ KANG published a book of cultivating edible mushrooms in 1934.⁷⁾ REE in 1935 illustrated 11 edible and poisonous mushrooms⁸⁾ and, in the year following, UYEKI also reported 62 species of mushrooms growing in Mt. Hwa and the vicinity of Suwon.⁹⁾ A practical forestry manual¹⁰⁾ published in 1940 includes 83 edible mushrooms, 10 poisonous mushrooms, 41 non-poisonous or uncertain mushrooms, 29 wood-rotting basidiomycetes, and statistic data of mushroom poisoning in Korea.

An illustrated book of 118 mushrooms was issued in 1943, classifying them into 91 edible and 22 poisonous species. In the subsequent year TOYOKAWA included 81 species of mushrooms into his book on Korean foods.¹¹⁾ In 1945 TAKAKI published an illustrated book of 85 species of mushrooms.¹²⁾

After the liberation of Korea from foreign occupation LEE and CHU were the first who reported 46 species of fungi in their illustrated Korean flora in 1956.¹⁴⁾ In 1957 T.S. LEE and Y.W. LEE reported a

comprehensive list of 111 species of mushrooms¹⁵⁾ and an additional list of 96 species in 1958.¹⁶⁾ Subsequently Y.W. LEE added 49 species to the previous lists in 1959.¹⁷⁾ In 1958 LIM (one of the present authors) reported 125 species of mushrooms growing in Gwang Neung area.¹⁸⁾ LEE, LEE and LIM (one of the present authors) published an illustrated book of Korean mushrooms of 228 species in 1959.¹⁹⁾ Y.W. LEE in the same year reported a list of mushrooms growing in Ul Neung Island.²⁰⁾

When the number of recorded species of higher fungi in vicinal countries is considered, it is extremely likely that Korean fungal flora includes more species than those so far reported. Although a few phytochemical and antibacterial investigations of the fungi were reported by the authors and other workers^{21~23)} taxonomic studies have not been reported since 1960. These facts clearly indicate a need for basic studies on the higher fungi of Korean flora, and led us to undertake the present investigation.

Experimental

The basidiomycetes and other higher fungi growing wildly were collected in Gyeong Gi Province during the period of five years from 1966 to 1970. Morphological and histological characteristics of the fungi were examined and compared with those described in the references.^{24~26)} The samples of the fungi were dried at room temperature and stored as specimen.

Compilation of a list of previously recorded higher fungi is overdue, because the reports were scattered in various periodicals and books, and more than ten years elapsed since the publications last appeared in 1959. The nomenclature of the following list is mostly based on those three references.^{24~26)}

List of Korean Higher Fungi

1. Auriculariaceae 목이파

1. *Auricularia auricula-jadae* (FR.) QUEL. 목이
2. *Auricularia hispida* IWADE 그물목이
3. *Auricularia polytricha* (MONT.) SACC. 텔목이
4. *Helicobasidium Tanakae* MIYABE 고약병균
= *Stypinella Tanaka* MIYABE
2. *Tremellaceae 흰목이파*

5. *Exidia glandulosa* FR. 좀먹이
6. *Tremella foliacea* PERS. ex FR. 꽃흰목이
7. *Termella fuciformis* BERK. 흰목이
3. *Dacryomycetaceae* 붉은목이파
8. *Guepinia fissa* BERK.
9. *Guepinia spathularia* FR. 허버섯
4. *Hygrophoraceae* 벚꽃버섯파
10. *Hygrocybe chloophanoides* (FR.) KARST. 노란버섯
11. *Hygrocybe miniata* (FR.) KARST. 붉은버섯
= *Hygrophorus miniatus* FR.
12. *Hygrophorus chrysodon* (FR.) FR. 노란갓 흰주름버섯
13. *Hygrophorus coprinus* SCOP. 검은갓 노란주름버섯
14. *Hygrophorus russula* (FR.) QUEL. 벚꽃버섯
= *Tricholoma russula* (FR.) GILL.
15. *Hygrophorus wynniae* B. et BR. 초록갓 벚꽃버섯
5. *Tricholomataceae* 송이버섯파
16. *Armillariella mellea* (FR.) KARST. 뽕나무버섯
= *Armillaria mellea* (FR.) QUEL.
17. *Armillariella mucida* (FR.) QUEL.
= *Collybia mucida* (FR.) QUEL. 나무살이주름버섯
18. *Armillariella ventricosa* PECK.
19. *Asterphora lycoperdoides* S.F. GRAY 멋부치버섯
= *Nyctalis asterophora* FR.
20. *Clitocybe cerussata* (FR.) KUMMER 흰버섯
21. *Clitocybe cyanophaea* FR. 자주버섯
22. *Clitocybe decastes* FR. 짹빛멸기버섯
23. *Clitocybe geotropa* BULL. var. *subinvoluta* BATSH. 개흰방망이버섯
24. *Clitocybe infundibuliformis* (FR.) QUEL. 깔대기버섯
25. *Clitocybe maxima* GARTEN et MAYER 흰깔대기버섯
26. *Clitocybe virens* SCOP. 하늘색버섯
27. *Collybia confluens* (FR.) KUMMER 밀버섯
= *Marasmius confluens* (FR.) RICKEN
28. *Collybia famillia* PECK. 애기무리버섯
29. *Collybia platyphylla* (FR.) KUMMER 넓은구름버섯
30. *Flammulina velutipes* (FR.) SING. 팽나무버섯
= *Collybia velutipes* (FR.) QUEL.
31. *Hohenbuehelia serotina* (FR.) SING. 침버섯
= *Pleurotus serotinus* (FR.) QUEL.
32. *Laccaria amethystina* (FR.) BERK. et BR.
= *Colitocybe amethystea* SACC. 졸각버섯
33. *Laccaria laccata* (FR.) BERK. et BR.
= *Clitocybe laccata* QUEL. 애기졸각버섯
34. *Lampteromyces japonicus* (KAWAM.) SING. 화경버섯

35. *Lentinus dealbatus* (BERK.) FR. 표고버섯
 36. *Lentinus edodes* (BERK.) SING. =*Cortinellus edodes* (BERK.) S. ITO et IMAI
 37. *Lentinus lepideus* FR. 잣버섯
 38. *Lentinus rufus* P. HENN
 39. *Lentinus tigrinus* (BULL.) FR. 털버섯
 40. *Lepista nuda* (FR.) COOKE 자주방망이버섯
 =*Tricholoma nudum* (BULL.) FR.
 41. *Lyophyllum cinerascens* (KONR.) KONR. et MAUBL. =*Clitocybe agglomerata* KAWAM. 만가락버섯
 42. *Marasmius androsaceus* LINN. 낙엽버섯
 43. *Marasmius erythropus* (FR.) FR. 애기선녀버섯
 44. *Marasmius oreades* (FR.) FR. 선녀버섯
 45. *Marasmius siccus* (SCHW.) FR. 분홍갓 애기버섯
 46. *Mycena alcalina* (FR.) QUÉL. 악취애주름버섯
 47. *Mycena haematopus* (FR.) QUÉL. 적갈색애주름버섯
 48. *Mycena osmundicola* LANGE 흰애주름버섯
 49. *Mycena polygramma* (BULL.) FR. 키다리애주름버섯
 50. *Oudemansiella radicata* (FR.) SING. =*Collybia radicata* (FR.) QUÉL. 긴뿌리버섯
 51. *Panaeolus fimicola* (FR.) QUÉL.
 52. *Panaeolus retirugis* (FR.) GILL.
 53. *Panellus stipticus* (FR.) KARST. 부채버섯
 =*Panus stipticus* (FR.) FR.
 54. *Panus rufus* FR. 칡부채버섯
 =*Lentinus strigosus* (SCHW.) FR.
 55. *Panus strigosus* B. & C. 올갓버섯
 56. *Pleurotus applicatus* BAUSCH. 꽃무늬애버섯
 57. *Pleurotus cornucopiae* (PERS.) ROLLAND 희느타리
 58. *Pleurotus griseus* PECK.
 59. *Pleurotus ostreatus* (FR.) QUÉL. 느타리
 60. *Pleurotus spodoleucus* (FR.) QUÉL. 참버섯아재비
 61. *Pseudohiatula esculenta* (FR.) SING. subsp. *pini* SING. 솔방울버섯
 =*Collybia congener* (PERS.) BRES.
 62. *Schizophyllum commune* FR. 치마버섯
 63. *Tricholoma album* (FR.) QUÉL. 흰방망이버섯
 64. *Tricholoma atro-virens* KAWAM. 할미버섯
 65. *Tricholoma colossus* (FR.) QUÉL. 어리송이버섯
 66. *Tricholoma conglobatum* VITT. 방망이버섯
 67. *Tricholoma flavovirens* (FR.) LUNDELL.
 =*Tricholoma equestre* (FR.) QUÉL. 금버섯
 68. *Tricholoma gamosum* FR. 밤버섯
 69. *Tricholoma matsutake* (S. ITO et IMAI) SING.
 =*Armillaria matsutake* S. ITO et IMAI 송이버섯
 70. *Tricholoma muscarium* KAWAM. 독방망이버섯
 71. *Tricholoma robustum* (FR.) RICKEN. 송이버섯아재비
 72. *Tricholoma squarrulosum* BRES. 쟁빛버섯
 73. *Tricholoma ustale* (FR.) KUMMER
 74. *Tricholomopsis rutilans* (FR.) SING. 솔버섯
 =*Tricholoma rutilans* (FR.) QUÉL.
 75. *Xeromphalina campanella* (FR.) KUHNER et MAIRE 잿기살이애기버섯
 =*Omphalina campanella* (FR.) QUÉL.
 6. *Amanitaceae* 광대버섯과
 76. *Amanita caesarea* (FR.) QUÉL. 달걀버섯
 77. *Amanita citrina* S.F. GRAY 애광대버섯
 78. *Amanita farinosa* SCHW. 점박이애우산버섯
 =*Amanitopsis farinosa* (SCHW.) ATKINS.
 79. *Amanita inaurata* SEC.R. 점박이우산버섯
 80. *Amanita mappa* (BATSCHE) FR. 애기알광대버섯
 81. *Amanita muscaria* (FR.) S.F. GRAY 광대버섯
 82. *Amanita pantherina* (FR.) SEC.R. 파리버섯
 83. *Amanita phalloides* (FR.) SEC.R. 알광대버섯
 84. *Amanita phalloides* (VAILL.) FR. 흰알광대버섯
 var. *verna* (BULL.) FR.
 85. *Amanita rubescens* (Fr.) 점박이달걀버섯
 S.F. GRAY
 86. *Amanita spreta* (PECK.) SACC. 턱받이광대버섯
 87. *Amanita vaginata* (FR.) QUÉL.
 =*Amanitopsis vaginata* (FR.) ROZE 우산버섯
 88. *Amanita vaginata* (Bull.) ROZE.
 =var. *alba* (FR.) GILL. 흰우산버섯
 =*Amanitopsis vaginata* (BULL.) ROZE var. *alba* FR.
 89. *Volvariella bombycina* (FR.) SING. 흰비단털버섯
 =*Volvaria bombycina* (FR.) QUÉL.
 7. *Agaricaceae* 주름버섯과
 90. *Agaricus campestris* FR. 들버섯
 =*Psalliota campestris* (L.) QUÉL.
 91. *Agaricus sylvaticus* (SCHAFF.) QUÉL. 숲버섯
 =*Psalliota sylvatica* (SCHAFF.) QUÉL.
 92. *Lepiota acutesquamosa* (WEINM.) GILL. 가지버섯
 93. *Lepiota japonica* KAWAM. 불여우버섯
 94. *Lepiota micropholis* B. et FR. 여우버섯
 95. *Lepiota morgani* PK. 흰갓버섯
 96. *Lepiota vittadinii* (MORETTI) FR.
 97. *Leucocoprinus luteus* (SEC.R.) LECQUIN.
 =*Lepiota licmophora* B. et BR. 노란갓자버섯

98. *Macrolepiota procera* (Fr.) SING.
= *Lepicta procera* (Fr.) QUÉL. 것벼섯
99. *Phaeolepiota aurea* (Fr.) MAIRE
= *Pholiota aurea* (Fr.) GILL. 턱받이금벼섯
100. *Psaliota placomyces* (PECK) LLOYD
101. *Psaliota silvicola* VILLAD.
8. *Coprinaceae* 떡풀벼섯파
102. *Coprinus atramentarius* (Fr.) Fr. 떡풀벼섯
103. *Coprinus comatus* (Fr.) S.F. GRAY 솜
= *Coprinus comatus* (Fr.) S.F. GRAY 솜 먹풀벼섯
104. *Coprinus micaceus* (BULL.) Fr.
105. *Coprinus rhizophorus* KAWAM. 애먹풀벼섯
106. *Psathyrella candolleana* (Fr.) A.H. SMITH
= *Hypholoma candolleanum* (Fr.) QUÉL.
= *Hypholoma appendiculatum* (Fr.) QUÉL.
족재비벼섯
107. *Psathyrella disseminata* (Fr.) QUÉL.
애기고깔벼섯
9. *Strophariaceae* 독청벼섯파
108. *Hypholoma fasciculosum* Fr.
= *Naematoloma fasciculosum* Fr.
109. *Naematoloma sublateritium* (Fr.) KARST.
= *Hypholoma lateritium* (Fr.) KUMMER. 개암벼섯
110. *Pholiota adiposa* (Fr.) QUÉL. 대밀검은벼섯
111. *Pholiota caperata* (PERS.) Fr. 노란띠벼섯
112. *Pholiota glutinosa* KAWAM. 나도팽나무벼섯
113. *Pholiota malliscoum* C. et. M.
114. *Pholiota squarrosa* (Fr.) QUÉL. 띠비늘벼섯
115. *Pholiota squarrosa* (Fr.) QUÉL var.
verruculosa (LASH) Fr. 비늘벼섯
116. *Stropharia aeruginosa* (Fr.) QUÉL. 독청벼섯
117. *Stropharia ferrii* BRES.
10. *Cortinariaceae* 곤적벼섯파
118. *Cortinarius cyanites* Fr. 검은피벼섯
119. *Cortinarius elatior* Fr. 곤적벼섯
120. *Cortinarius elatior* Fr. var.
microsporus KAWAM. 애기곤적벼섯
121. *Cortinarius largus* Fr. 가지색끈적벼섯
122. *Cortinarius multiformis* Fr. 노란끈적벼섯
123. *Cortinarius mucosus* (BULL.) WINTER.
124. *Cortinarius purpurascens* (Fr.) Fr. 풍선벼섯
125. *Cortinarius saginus* Fr. 전나무발벼섯
126. *Cortinarius venenosus* KAWAM. 똑끈적벼섯
127. *Gymnopilus spectabilis* (Fr.) A.H. SMITH
= *Pholiota spectabilis* (Fr.) QUÉL. 미치광이벼섯
128. *Inocybe rimosa* (Fr.) QUÉL.
- = *Rozites caperata* (Fr.) KARST. 땀벼섯
129. *Pholiota caperata* (Fr.) GILL. 노란띠벼섯
11. *Rhodophyllaceae* 외대벼섯파
130. *Leptonia serrulata* (Fr.) QUÉL. 흑청색외대벼섯
131. *Rhodophyllus murraili* (BERK. et CURT.) SACC. 노란꼭지벼섯
132. *Rhodophyllus sinuatus* (Fr.) SING
= *Entoloma sinuatum* (Fr.) QUÉL. 외대벼섯
12. *Gomphidiaceae* 뜻벼섯파
133. *Gomphidius roseus* (Fr.) KARST. 큰못벼섯
134. *Gomphidius rutilus* (Fr.) LUND et NANNE.
= *Gomphidius viscidus* Fr. 못벼섯
13. *Boletaceae* 그물벼섯파
135. *Boletinus cavipes* (OPAT.) KALCHBR.
= *Boletus cavipes* OPAT. 실황금그물벼섯
136. *Boletinus pictus* (PECK.) PECK. 황금그물벼섯
137. *Boletus aereus* BULL. 구리빛그물벼섯
138. *Boletus castaneus* Fr. 흰그물벼섯
139. *Boletus edulis* Fr. 두메그물벼섯
140. *Boletus elegans* (SCHUM.) Fr. 비단벼섯
141. *Boletus impolitus* Fr. 왕두메그물벼섯
142. *Boletus luridus* Fr. 독그물벼섯
143. *Boletus pulverulentus* OPAT.
= *Boletus badius* Fr. 밤빛두메그물벼섯
144. *Boletus regius* KROMBH. 큰두메그물벼섯
145. *Boletus rubellus* KROMBH.
= *Boletus sanguineus* WITH. 붉은두메그물벼섯
146. *Leccimun chromapes* (FROST) SING.
= *Boletus chromapes* FROST 노란대그물벼섯
147. *Leccimun scabrum* (Fr.) S.F. GRAY
= *Boletus scaber* BULL. 짤결이그물벼섯
148. *Phylloporus rhodoxanthus* (SCHW.) BRES.
= *Clitocybe pelletieri* LEV. 민그물벼섯
149. *Suillus bovinus* (Fr.) KUNTZE
= *Boletus bovinus* L. ex Fr. 그물벼섯
150. *Suillus luteus* (Fr.) S.F. GRAY
= *Boletus luteus* Fr. 노란관그물벼섯
151. *Tylopilus felleus* (Fr.) KARST.
= *Boletus felleus* Fr. 쓴맛그물벼섯
152. *Xerocomus subtomentosus* L.
= *Boletus subtomentosus* L. 산그물벼섯
14. *Strobilomycetaceae* 귀신그물벼섯파
153. *Strobilomyces atrobulaceus* (SCOP.) BERK.
154. *Strobilomyces floccopus* (Fr.) KARST.
= *Strobilomyces strobilaceus* (Fr.) BERK.

	귀신그물버섯	
15. Russulaceae 무당버섯파		
155. <i>Lactarius akahatsu</i> TANAKA	파버섯	
156. <i>Lactarius chloroides</i> (KROMBH.) KAWAM.	흰젖버섯	
157. <i>Lactarius deliciosus</i> (Fr.) S.F. GRAY var. = <i>japonicus</i> KAWAM.	붉은젖버섯	
158. <i>Lactarius hatsudake</i> TANAKA	젖버섯아재비	
159. <i>Lactarius piperatus</i> (Fr.) S.F. GRAY	굴털이	
160. <i>Lactarius subplinthogalus</i> COKER.	얇은갓젖버섯	
161. <i>Lactarius torminosus</i> SCHAEFF.	큰붉은젖버섯	
162. <i>Lactarius violascens</i> OTTO.	잿빛젖버섯	
163. <i>Lactarius volemus</i> Fr.	젖버섯	
164. <i>Leucopaxillus gigantus</i> (Fr.) SING. = <i>Paxillus gigantus</i> Fr.	굴털이아재비	
165. <i>Russulla atropurpurea</i> KROMBH.	참가지버섯	
166. <i>Russulla crustosa</i> PECK.	흙색기와버섯	
167. <i>Russulla cutrifracta</i> CKE.	청버섯	
168. <i>Russulla densifolia</i> (SECR.) GILL.	애기질구버섯	
169. <i>Russulla emetica</i> (Fr.) SCHAEFF.	무당버섯	
170. <i>Russulla emetica</i> SCHAEFF. var. <i>clusii</i> Fr.	큰무당버섯	
171. <i>Russulla foetens</i> Fr.	애기깔대기버섯	
172. <i>Russulla fragilis</i> PERS.	애기무당버섯	
173. <i>Russulla fragilis</i> PERS. var. <i>nvea</i> CKE.	훨무당버섯	
174. <i>Russulla furcata</i> PERS.	청버섯아재비	
175. <i>Russulla integra</i> L.	붉은무당버섯	
176. <i>Russulla metachroa</i> HONGO	색갈이무당버섯	
177. <i>Russulla nigricans</i> Fr.	점구버섯	
178. <i>Russulla ochroleuca</i> PERS.	노란쪼개버섯	
179. <i>Russulla pectinata</i> Fr.	달팽이무당버섯	
180. <i>Russulla punctata</i> (GILL.) MAIRE	가지버섯	
181. <i>Russulla rubra</i> COOKE		
182. <i>Russulla senecis</i> IMAI	흙무당버섯	
183. <i>Russulla virescens</i> SCHAEFF.	기와버섯	
16. Clavariaceae 싸리버섯파		
184. <i>Clavaria grandis</i> PK.	흰끌싸리버섯	
185. <i>Clavaria purpurea</i> MULL.	국수버섯	
186. <i>Clavaria pyxidata</i> PERS.	나무싸리버섯	
187. <i>Clavaria vermiculata</i> Fr.	흰국수버섯	
188. <i>Clavaria zollingeri</i> LEV. em OVER. = <i>Clavaria amethystina</i> Fr.	자주싸리버섯	
189. <i>Clavariadelphus ligula</i>		
	(SCHAEFF. ex Fr.) DONK.	붉은방망이싸리버섯
190. <i>Clavariadelphus pistillaris</i> (L. ex Fr.) DONK.	방망이싸리버섯	
191. <i>Clavulinopsis miyabeana</i> (S. ITO) SEIVA ITO.	붉은창싸리버섯	
192. <i>Clavulinopsis pulchra</i> (PECK.) CORNOR.	노랑주걱싸리버섯	
193. <i>Clavulina cristata</i> (Fr.) SCHROET.	벼실싸리버섯	
194. <i>Clavulina inaequalis</i> MULLER	노란국수버섯	
195. <i>Lentaria mucida</i> (Fr.) CORNER = <i>Clavaria mucida</i> Fr.	벵어버섯	
196. <i>Ramaria botrytis</i> (PERS.) RICKEN = <i>Clavaria botrytis</i> PERS.	싸리버섯	
197. <i>Ramaria flava</i> (Fr.) QUEL.	노란싸리버섯	
198. <i>Ramaria formosa</i> (Fr.) QUEL.	붉은싸리버섯	
17. Thelephoraceae 젖꼭지버섯파		
199. <i>Craterellus cantharellus</i> (SCHW.) FR. var. <i>albus</i> KAWAM.	큰배꽃버섯	
200. <i>Craterellus cornucopioides</i> PERS.	검정나팔버섯	
201. <i>Thelephora terrestris</i> SHRK.		
202. <i>Thelephora palmata</i> (SCOPOLI) Fr.	단풍잎버섯	
18. Corticiaceae 꽂송이버섯파		
203. <i>Cantharellus aurantiacus</i> Fr.	큰꾀꼬리버섯	
204. <i>Cantharellus cibarius</i> Fr.	꾀꼬리버섯	
205. <i>Cantharellus floccosus</i> SCHW.	나팔버섯	
206. <i>Cantharellus Friesii</i> QUEL.		
207. <i>Cantharellus minor</i> PK.	애기꾀꼬리버섯	
208. <i>Cantharellus pallidus</i> LLOYD	흰나팔버섯	
209. <i>Cladoderris cooperata</i> (BERK. et MENT.) PAT.	깔대기비늘버섯	
210. <i>Dictyolus boninensis</i> S. ITO et IMAI	오갈털버섯	
211. <i>Hymenochaete rubiginosa</i> Fr.) LEV.	암갈색비늘버섯	
212. <i>Podoscypha surinasis</i> (LEV.) PAT.	나팔비늘버섯	
213. <i>Sparassis crispa</i> Fr.	꽃송이버섯	
214. <i>Stereum albidum</i> LLOYD	배꽃버섯	
215. <i>Stereum fasciatum</i> (SCHW.) Fr.		
216. <i>Stereum annosum</i> BERK et BR.	큰꽃구름버섯	
217. <i>Stereum hirsutum</i> (Fr.) S.F. GRAY		
218. <i>Stereum princeps</i> (JUNGH.) LEV.	노랑비늘버섯	
219. <i>Stereum frustulosum</i> . Fr.		
19. Paxillaceae 우단버섯파		
220. <i>Paxillus atrotomentosus</i> (Fr.) Fr.	우단버섯	
221. <i>Paxillus panuoides</i> (Fr.) Fr.	운행잎버섯	
20. Hydnaceae 껍질버섯파		

222. *Auricalpium vulgare* S.F. GRAY 출방울털갓버섯
 223. *Hericium erinaceum*(FR.) PERS. 노루궁뎅이
 = *Hydnus caput-medusae* FR.
 224. *Hericium lacinatum* (LEERS) BANKER 산호침버섯
 225. *Hydnus aspratum* BERK.
 226. *Hydnus ferrugineum* FR. 향기털버섯
 227. *Hydnus imbricatum* LINN. 노루털버섯
 228. *Hydnus repandum*(LINN) FR.
 229. *Hydnus repandum* FR. var.
 album QUÉL. 흰수염버섯
 230. *Hydnus septentrionale* FR. 턱수염버섯
 231. *Hydnus zonatum*
 (BATSCHE et FR.) KARST. 갈색수염버섯
 232. *Irpex lacteus* FR. 기계충버섯
 233. *Lopharia mirabilis*
 (BERK. et BR.) PAT. 큰껍질버섯
 234. *Steccherinum septentrionale*
 (Fr.) BANKER 수염버섯
 21. *Meruiaceae*
 235. *Merulius lacrymans* (WULF) FR.
 = *Gyrophana lacrimans*
 (WULF ex FR.) PAT. 벼름버섯
 236. *Phlebia strigoso-zonata* (SCHW.) LLOYD
 22. *Phylacteriaceae* 글뚝버섯파
 237. *Boletopsis leucomelas* (FR.) FAYOD
 = *Polyporus leucomelas* FR. 글뚝버섯
 23. *Polyporaceae* 구멍장이버섯파
 238. *Coriolus pargamenus* Fr. 웃솔버섯
 239. *Corilus consors* (BERK.) IMAZ.
 = *Iprex consors* BERK. 송곳니구름버섯
 240. *Coriolus elegatus*(BERK.) PAT. 흰입발구름버섯
 241. *Coriolus hirsutus* (WULF ex FR.) QUÉL.
 = *Polystictus hirsutus* FR. 흰구름버섯
 242. *Coriolus polyzonus* (PERS.) IMAZ.
 = *Polystictus polyzonus* PERS. 갈색구름버섯
 243. *Coriolus unicolor* (BULL. ex FR.) PAT.
 = *Daedalea unicolor* (BULL.) FR. 좀먹는버섯
 244. *Coriolus versicolor* (L. ex FR.) QUÉL.
 = *Polystictus versicolor* FR. 구름버섯
 245. *Coriolus zonatus* (NEES ex FR.) QUÉL.
 = *Polystictus zonatus* FR. 밤색구름버섯
 246. *Cryptoporus volvatus* (PECK.) HUBB.
 = *Polyporus volvatus* PECK. 한잎버섯
 247. *Cyclomyces fuscus* FR.
 248. *Daedalea confragosa* FR.
249. *Daedaleopsis styracina*
 (P. HENN. et SHIR.) IMAZ. 도장버섯
 250. *Daedaleopsis teius* (HOOK. ex FR.) IMAZ. 낡은구멍버섯
 251. *Daedaleopsis tricolor*
 (FR.) BAND et SING. 나도조개버섯
 252. *Elvingia appplanata* (PERS.) KARST.
 = *Ganoderma appplanatum* PAT. 잔나비결상
 253. *Favolus alveolarius* (FR.) QUÉL.
 = *Favolus europaeus* FR. 벌집버섯
 254. *Favolus arcularius* (FR.) AMES.
 = *Polyporus arcularius* FR. 좀벌집버섯
 255. *Fomes appplanatus* (PERS.) WALLR.
 256. *Fomes australis* FR.
 = *Fomes appplanatus* FR. var. *australis* SACC.
 257. *Fomes fomentarius*(FR.) Kickx 밀굽버섯
 258. *Fomes igniarius* FR. 말똥버섯
 259. *Fomes leucophaeus* MONT.
 260. *Fomes pinicola* (SWARTZ) FR.
 261. *Fomes robustus* KARST.
 262. *Fomitopsis castanea* IMAZ. 거문잔나비버섯
 263. *Fomitopsis kiyosumiensis* IMAZ.
 et SASAKI 떡갈나무잔나비버섯
 264. *Fomitopsis rhodophaea*
 (LEV.) IMAZ. 넘적잔나비버섯
 265. *Fomitopsis semilaccata* (BERK.) S. ITO 후버섯
 266. *Fomitopsis insularis*(MURR.) IMAZ. 벽돌빛버섯
 267. *Ganoderma lucidum* (FR.) KARST.
 = *Ganoderma japonicum* KAWAM. 불노초
 268. *Grifola albicans* IMAZ. 다박잎새버섯
 = *Polyporus frondosa* (VAHL.)
 FR. var. *albus* KAWAM.
 269. *Grifola frondosa* S.F. GRAY
 = *Polyporus frondosa* FR. 잎새버섯
 270. *Laetiporus sulphureus* (FR.) BAND et SING.
 var. *miniatus* (JUNGH.) IMAZ.
 = *Polyporus sulphureus* (BULL.) FR. 덕다리버섯
 271. *Lenzites abietina* FR. 조개버섯
 272. *Lenzites betulina* (L.) FR.
 273. *Lenzites saeparia* (WULF.) FR.
 274. *Lenzites subferruginea* BERK.
 275. *Microporus affinis*
 (BLUME et NEES) KUNTZE 메꽃버섯
 276. *Microporus luteus*
 (BLUME et NEES) KUNTZE 황갈색메꽃버섯

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| 277. <i>Polyporellus picipes</i> (FR.) KARST. | | | 310. <i>Trametes suaveoleus</i> FR. | 반달버섯 |
| = <i>Polyporus picipes</i> FR. | 검정래버섯 | | 311. <i>Trametes truncatispora</i> YASUDA | |
| 278. <i>Polyporellus squamosus</i> (FR.) KARST. | 개덕다리버섯 | | 312. <i>Tyromyces borealis</i> (FR.) IMAZ. | 흰풀령버섯 |
| 279. <i>Polyporellus varius</i>
(PERS. ex FR.) KARST. | 노란대부채버섯 | | 313. <i>Tyromyces pubescens</i> (SCHUW. ex FR.) IMAZ. | |
| 280. <i>Polyporus adnatus</i> FR. | | | = <i>Polystictus velutinus</i> enssu LLOYD. | 흰용털버섯 |
| 281. <i>Polyporus heteropolus</i> FR. | | | 314. <i>Tyromyces sambuceus</i> (LLOYD) IMAZ. | 개미버섯 |
| 282. <i>Polyporus intybaceus</i> FR. | | | 22. <i>Mucronoporaceae</i> 겨우살이버섯파 | |
| 283. <i>Polyporus semilaccatus</i> BERK. | | | 315. <i>Coltricia cinnamomea</i> (FR.) MURR. | |
| 284. <i>Polyporus schweinitzii</i> FR.
= <i>Polyporus sistotremoides</i> ALB. et SCHW. | | | = <i>Polystictus cinnamomeus</i> FR. 톱니겨우살이버섯 | |
| 285. <i>Polyporus tomentosus</i> FR. var.
<i>orientalis</i> (LLOYD) Kawam. | 귀버섯 | | 316. <i>Coltricia perennis</i> (FR.) MURR. | |
| 286. <i>Polyporus umbellatus</i> FR. | | | = <i>Polystictus perennis</i> (L.) FR. 겨우살이버섯 | |
| 287. <i>Polyporus vinosus</i> BERK. | | | 317. <i>Cryptoderma cercidiphyllum</i> IMAZ. | 충말굽버섯 |
| 288. <i>Polystictus abietinus</i> FR. | | | 318. <i>Onnia cumigii</i> (BERK.) IMAZ. | 범부채구멍버섯 |
| 289. <i>Polystictus flabelliformis</i> FR. | 부채버섯 | | 319. <i>Phellinus gilvus</i> (FR.) PAT. | |
| 290. <i>Polystictus heteromorphus</i> FR. | | | = <i>Polyporus gilvus</i> SCHW. | 진흙버섯 |
| 291. <i>Polystictus persooni</i> FR. | | | 25. <i>Phallaceae</i> 말뚝버섯파 | |
| 292. <i>Polystictus pocas</i> BERK. | | | 320. <i>Dictyophora indusiata</i>
(PERS.) FISCHER | 망태버섯 |
| 293. <i>Polystictus polygonius</i> PERS. | | | = <i>Dictyophora phalloidea</i> DESV. | |
| 294. <i>Poria cocos</i> (SCHW.) WOLF.
= <i>Pachyma cocos</i> FR. | 복령 | | 321. <i>Mutinus bambusinus</i>
(ZOLL.) FISCH. | 끌검은领导干部 |
| 295. <i>Poria vaporaria</i> PERS. | | | 322. <i>Jansia boninensis</i> E. (FISCH.) LLOYD | |
| 296. <i>Trametes acuta</i> (BERK.) IMAZ.
= <i>Lenzites acuta</i> BERK. | 원조개버섯 | | 323. <i>Mutinus caninus</i> (PERS.) FR. | 领导干部 |
| 297. <i>Trametes albida</i>
(FR.) BOURD et GALZ. | 흰그물송편버섯 | | 324. <i>Phallus impudicus</i> PERS. | 말뚝버섯 |
| 298. <i>Trametes cinnabarina</i> FR.
= <i>Polystictus cinnabarinus</i> SUEC. | 주걱버섯 | | 325. <i>Phallus rugulosus</i> (F.) KUNT. | 붉은말뚝버섯 |
| 299. <i>Trametes dickinsii</i> BERK. | 송편버섯 | | 26. <i>Clathraceae</i> 바구나버섯파 | |
| 300. <i>Trametes robinisiphila</i> MURR. | | | 326. <i>Clathrus mokusin</i> SPRENG | |
| 301. <i>Trametes trogii</i> BERK. | | | 327. <i>Laternea bicolumnata</i> LLOYD | 개발톱버섯 |
| 302. <i>Trametes truncatispora</i> YASUDA | | | 328. <i>Lysurus mokusin</i> (PERS.) FR. | 새붉은주동이버섯 |
| 303. <i>Trametes gibbosa</i> (PERS. ex FR.) FR. | 대합버섯 | | 329. <i>Pseudocolus schellenbergiae</i>
(SUMST.) JOHNSON | 세발버섯 |
| 304. <i>Trametes hispida</i> BAGL. | 큰송편버섯 | | 27. <i>Hymenogastraceae</i> 알버섯파 | |
| 305. <i>Trametes kusanoana</i> IMAZ.
= <i>Daedalea kusnoi</i> MURR. | 벌레구멍버섯 | | 330. <i>Rhizopogon rubescens</i> (TUL.) TUL. | 알버섯 |
| 306. <i>Trametes pallisoti</i> (FR.) IMAZ.
= <i>Lenzites repanda</i> (MENT.) FR. | 살조개버섯 | | 28. <i>Lyceoperdaceae</i> 말불버섯파 | |
| 307. <i>Trametes pini</i> FR. | | | 331. <i>Bovistella radicata</i> (MONT.) PAT. | 경단버섯 |
| 308. <i>Trametes orientalis</i> (YAS.) IMAZ.
= <i>Polystictus orientalis</i> YASUDA | 시루民营经济 | | 332. <i>Calvatia craniiformis</i> (SCHW.) FR. | 말장버섯 |
| 309. <i>Trametes sanguinea</i> (FR.) LLOYD.
= <i>Polystictus sanguinea</i> (L.) FR. | 간버섯 | | 333. <i>Calvatia cyathiformis</i> (BOSC.) MORG. | 큰말장버섯 |
| | | | 334. <i>Calvatia lilacina</i> BERK. | |
| | | | 335. <i>Lasiosphaera nipponica</i> (KAWAM.) KOBAY. | |
| | | | = <i>Lasiosphaera fenzlii</i> REICH. | 대구알버섯 |
| | | | 336. <i>Lycoperdon colossum</i> KAWAM. | 큰말불버섯 |
| | | | 337. <i>Lycoperdon gardeneri</i> BERK. | |
| | | | 338. <i>Lycoperdon gemmatum</i> FR. | 말불버섯 |
| | | | 339. <i>Lycoperdon pyriforme</i> PERS. | 좁말불버섯 |
| | | | 29. <i>Geastraceae</i> 방귀버섯파 | |

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| 340. <i>Geaster fimbriatus</i> FR. | 방귀버섯 | |
| 341. <i>Geaster schmidelii</i> VITT. | 애기방귀버섯 | |
| 342. <i>Geaster triplex</i> JUNGH. | 목도리방귀버섯 | |
| 343. <i>Crucibulum vulgare</i> TUL. | 찻잔버섯 | |
| 344. <i>Cyathus striatus</i> (HUDS.) HOFFM. | 주름찻잔버섯 | |
| 345. <i>Pisolithus arenarius</i> ALB. et SCHW. | 모래발버섯 | |
| 346. <i>Scleroderma aurantium</i> PERS. | | |
| 347. <i>Scleroderma bovista</i> FR. | 깻어리알버섯 | |
| 348. <i>Scleroderma cepa</i> PERS. | 양파버섯 | |
| 349. <i>Scleroderma verrucosum</i> (BULL.) PERS. | | |
| 350. <i>Astraeus hygrometricus</i> (PERS.) MORG. | 먼지버섯 | |
| 351. <i>Calostoma japonicum</i> P. HENN.
= <i>Galostoma japonicum</i> P. HENN. | 연지버섯 | |
| 352. <i>Discina venosa</i> (PERS.) FR. | 게딱지버섯 | |
| 353. <i>Macropodia macropus</i> (PERS.) FUCK. | 긴대주발버섯 | |
| 354. <i>Peziza repanda</i> PERS. | 주발버섯 | |
| 355. <i>Wynnea gigantea</i> B. et C. | 다발귀버섯 | |
| 356. <i>Gyromitra esculenta</i> (PERS.) FR. | 마귀꼼보버섯 | |
| 357. <i>Helvella crispa</i> (SCOP.) FR. | 안장버섯 | |
| 358. <i>Helvella elastica</i> FR. | 가는대안장버섯 | |
| 359. <i>Helvella ephippoides</i> IMAI. | 긴대안장버섯 | |
| 360. <i>Helvella lacunosa</i> FR. | 귀신말안장버섯 | |
| 361. <i>Morchella crassipes</i> (VENT.) PERS. | 굵은대꼼보버섯 | |
| 362. <i>Morchella esculenta</i> FR. | 꼼보버섯 | |
| 363. <i>Cudonia japonica</i> YASUDA | 노랑콩나물버섯 | |
| 364. <i>Cudonia circinans</i> (PERS.) FR. | 대꿀갈색콩나물버섯 | |
| 365. <i>Geoglossum hirsutum</i> PERS.
var. <i>capitatum</i> GILL. | 검은콩나물버섯 | |
| 366. <i>Leotia chlorocephala</i> SCHW. | 연두콩나물버섯 | |
| 367. <i>Leotia gelatinosa</i> HILL | | |
| 368. <i>Leotia lubrica</i> FR. | 콩나물버섯 | |
| 369. <i>Spathularia clavata</i> (FR.) | 넙적콩나물버섯 | |
| 370. <i>Trichoglossum hirsutum</i> (FR.) BOUD. | | |
| 371. <i>Bulgaria polymorpha</i> (OEDER) WETTST. | 마귀술갈버섯 | |
| 372. <i>Cordyceps militaris</i> LINK | 번데기버섯 | |
| 373. <i>Cordyceps nutans</i> PAT. | 노린재동충하초 | |
| 374. <i>Cordyceps sobolifera</i> B. et BROOME | 매미버섯 | |
| 375. <i>Claviceps purpurea</i> (FR.) TUL. | 맥각균 | |
| 376. <i>Daldinia concentrica</i>
(BOLT.) CES. et DE NOT. | 콩버섯 | |
| 377. <i>Daldinia vernicosa</i>
(SCHW.) CES. et DE NOT | 방종버섯 | |
| 378. <i>Hypoxyylon annulatum</i> MONT. | | |
| 379. <i>Xylaria hypoxylon</i> (L.) GREV. | 뿔버섯 | |
| 380. <i>Xylaria polymorpha</i> (PERS.) GREV. | 콩고투리버섯 | |
| 381. <i>Stemonitaceae</i> 말총버섯파 | | |
| 382. <i>Stemonites fusca</i> ROTH. | 말총버섯 | |
| Unrecorded Species | | |
| 383. <i>Coriolus pinsitus</i> (FR.) PAT. | | |
| PATOUILLARD: <i>Ess. Tax.</i> 94, 1900; MURRILL: <i>N. Am. Fl.</i> 9: 24, 1907; IMAZEKI: <i>Bull. Tokyo, Sci. Mus.</i> 6: 80, 1943; S. ITO: <i>Myc. Fl. Japan</i> , Vol. II, p. 270, 1955. | | |
| Locality: Gwang Neung, Gyeong Gi Province (Aug. 1967) | | |
| Leg.: J.H. LIM. Distribution: Japan | | |
| 384. <i>Hirschioporus fusco-violaceus</i> (SCHRAD ex FR.) DONK
= <i>Irpea fusco-violaceus</i> FR. | | |
| DONK: <i>MeP. Bot. Mus. Utrecht</i> , 9: 169, 1933; BONDARZEW & SINGER: <i>Ann. Myc.</i> , 39: 36, 1941; IMAZEKI: <i>Bull. Tokyo. Sci. Mus.</i> , 9: 82, 1943; S. ITO: <i>Myc. Fl. Japan</i> , Vol. II, p. 250, 1955. | | |
| Locality: Gwang Neung, Gyeong Gi Province (Ang. 1967) | | |
| Leg.: J.H. LIM and B.K. KIM. | | |
| Distribution: Northern Hemisphere | | |
| 385. <i>Hymenochaete intricata</i> LLOYD | | |
| LLOYD: <i>Myc. Writ.</i> 7: 1157 f. 2290, 1923; IMAZEKI: <i>Bull. Tokyo Sci. Mus.</i> , 2: 12, pl. 1, pl. 5, 1940; T. ITO: <i>Bot. Mag. Tokyo</i> , 44: 156, 1930; S. ITO: <i>Myc. Fl. Japan</i> , Vol. II, p. 160, 1955. | | |
| Locality: Gwany Neung, Gyeong Gi Province (Aug. 1968) | | |
| Leg.: J.H. LIM. Distribution: Japan | | |
| 386. <i>Merulius tremellosus</i> SCHRAD. ex FR. | | |
| S. ITO: <i>Myc. Fl. Japan</i> , Vol. II, p. 205, 1955. | | |
| Locality: Gwang Neung, Gyeong Gi Province (Aug. 1967). | | |

Unrecorded Species

382. *Coriolus pinsitus* (Fr.) Pat.
 PATOUILLARD: *Ess. Tax.* 94, 1900; MURRILL: *N. Am. Fl.* 9: 24, 1907; IMAZEKI: *Bull. Tokyo, Sci. Mus.* 6: 80, 1943; S. Ito: *Myc. Fl. Japan*, Vol. II, p. 270, 1955.
 Locality: Gwang Neung, Gyeong Gi Province (Aug. 1967)
 Leg.: J.H. Lim. Distribution: Japan

383. *Hirschioporus fusco-violaceus* (SCHRAD ex Fr.) DONK
 = *Irpea fusco-violaceus* Fr.
 DONK: *Mep. Bot. Mus. Utrecht*, 9:169, 1933;
 BONDARZEW & SINGER: *Ann. Myc.*, 39: 36, 1941;
 IMAZEKI: *Bull. Tokyo. Sci. Mus.*, 9:82, 1943; S. ITO: *Myc. Fl. Japan*, Vol. II, p. 250, 1955.
 Locality: Gwang Neung, Gyeong Gi Province (Ang. 1967)
 Leg.: J.H. Lim and B.K. Kim.
 Distribution: Northern Hemisphere

384. *Hymenochaete intricata* LLOYD
 LLYD: *Myc. Writ.* 7:1157 f. 2290, 1923; IMAZEKI: *Bull. Tokyo Sci. Mus.*, 2:12, pl.1, pl. 5, 1940;
 T. ITO: *Bot. Mag. Tokyo*, 44: 156, 1930; S. ITO: *Myc. Fl. Japan*, Vol. II, p. 160, 1955.
 Locality: Gwany Neung, Gyeong Gi Province (Aug. 1968)
 Leg.: J.H. Lim. Distribution: Japan

385. *Merulius tremellosus* SCHRAD. ex FR.
 S. ITO: *Myc. Fl. Japan*, Vol. II, p. 205, 1955.
 Locality: Gwang Neung, Gyeong Gi Province (Aug. 1967).

Leg.: J.H.LIM, and B.K. KIM.

Distribution: Northern Hemisphere

386. *Steccherinum ochraceum* (Gmel. ex Fr.) S.F.
= *Hydnus ochraceum* Fr. Gray: *Nat. Brit. Pl.*,
1:651, 1821; MILLER: *Mycologia*, 27: 358, pl.
33, f.1, 1935; S. ITO: *Myc. Fl. Japan*, Vol II,
p. 194, 1955.
Locality: Gwang Neung, Gyeong Gi Province (Aug.
1967).
Leg.: J.H. LIM. Distribution: Japan

Conclusion

Five unrecorded species of higher fungi in Korea were reported. When these are added to the list of previously reported species, the total number of the higher fungi amounts to 386 species.

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