

Національна Академія Наук України
Інститут ботаніки ім. М.Г. Холодного

National Academy of Sciences of Ukraine
M.G. Kholodny Institute of Botany

**КАТАЛОГ
КОЛЕКЦІЇ КУЛЬТУР ШАПИНКОВИХ ГРИБІВ
І В К**

**CATALOGUE
OF THE CULTURE COLLECTION OF MUSHROOMS
І В К**

А.С. Бухало, Н.Ю. Митропольська, О.Б. Михайлова
A.S. Buchalo, N.Yu. Mytropolska, O.B. Mykchaylova

Київ - 2011
Kyiv - 2011

УДК (035)57.082.2:582.282(477-25)
ББК Е 591.4-737+Е 591.43/45 я18/4Укр/
К29

К29 Каталог культур Колекції шапинкових грибів (ІБК) /
А.С. Бухало, Н.Ю. Митропольська, О.Б. Михайлова. – К.:
«Альтерпрес», 2011.– 100 стр.

ISBN 978-966-542-487-1

Каталог (четверте видання) містить відомості про 921 штам, що належать до 169 видів, 73 родів шапинкових грибів (Basidiomycota, Ascomycota), які підтримуються в Колекції культур Інституту ботаніки ім. М.Г. Холодного НАН України. Культури ізольовані з природного матеріалу, переважно співробітниками Інституту, або одержані з інших колекцій і організацій. В Колекції підтримуються культури біля 110 видів, у яких відомі лікувальні властивості.

Каталог буде корисним для широкого кола мікологів, біотехнологів, мікробіологів, грибоводів-аматорів, фармацевтів, генетиків, біохіміків, викладачів та студентів біологічних факультетів Університетів.

РЕЦЕНЗЕНТИ: д.б.н. І.О. Дудка, д.б.н. Н.М. Жданова

*Рекомендовано до друку Вченою радою Інституту ботаніки
ім. М.Г. Холодного НАНУ*

01601, м. Київ, вул. Терещенківська, 2
Fax (38-044) 572-50-54
E-mail: ibk-kiev@ua.fm

ISBN 978-966-542-487-1

© Інститут ботаніки ім. М.Г. Холодного
НАН України, 2011
© «Альтерпрес», 2011

Catalogue of the Culture collection of mushrooms (IBK) / Buchalo A.S., Mytropolska N.Yu., Mykchaylova O.B. – Kyiv: «Alterpres», 2011, 100 p.

The 4-th edition of the Catalogue of the Culture collection of mushrooms (IBK) includes 921 strains of 169 species, belonging to 73 genera (Basidiomycota and Ascomycota). Cultures were isolated from natural material or received from other Collections and Institutions. The Catalogue includes the original photos. The Catalogue is intended for mycologists, biotechnologists, microbiologists, mushroom growers, students and teachers of biological faculties of Universities.

2, Tereschenkivska St., Kyiv, 01601, Ukraine
Fax (38-044) 572-50-54
E-mail: ibk-kiev@ua.fm

Зміст

| | |
|---|----|
| Вступ | 5 |
| Вказівки для користування Каталогом | 9 |
| Список скорочень назв Колекцій культур та Установ | 10 |
| Список штамів | 11 |
| Ілюстрації | 48 |
| Список публікацій | 97 |

Contents

| | |
|---|----|
| Introduction | 7 |
| Direction for the Catalogue | 9 |
| Following abbreviations of Culture collections and Institutions are used | 10 |
| List of strains | 11 |
| Illustrations | 48 |
| List of publications | 97 |

ВСТУП

Шапинкові гриби (макрогриби), до яких відносяться понад 10 тисяч видів, є представниками класів Basidiomycota та Ascomycota. Ці гриби відіграють надзвичайно важливу роль у природних екосистемах як редуценти лігноцелюлозних рослинних та тваринних залишків, мікоризоутворювачі, паразити рослин тощо. Шапинкові гриби мають велике економічне значення як об'єкти грибівництва і біотехнологій, за якими сьогодні отримують лікарські речовини з онкостатичними, імуномодулюючими, антивірусними, радіопротекторними, тонізуючими та іншими властивостями, а також дієтичні продукти, ферменти, антибіотики і ін. цінні продукти метаболізму цих грибів. Для охорони та збереження генофонду макрогрибів, як і для їх практичного застосування, використовують чисті культури, які зберігають в спеціальних колекціях. Колекція культур шапинкових грибів Інституту ботаніки ім. М.Г. Холодного НАНУ (акронім ІВК) була створена понад 30 років тому для проведення досліджень з біології, систематики та біотехнології макроміцетів. Вона визнана національним надбанням України і має державну фінансову підтримку.

Велика увага приділяється створенню в Колекції таксономічного та штамового різноманіття переважно їстівних та лікарських макроміцетів. В Колекції підтримується 921 штаб, що належать до 169 видів і 73 родів. Важливим напрямом роботи Колекції є інтродукція в культуру і збереження генофонду рідкісних видів шапинкових грибів та таких, що зникають внаслідок надмірного збирання. За останні роки велика увага приділялась створенню біорізноманітності лікарських грибів, кількість яких в Колекції становить понад 110 видів. Види родів *Pleurotus*, *Agaricus*, *Lentinus*, *Oudemansiella*, *Flammulina*, *Hericium*, *Piptoporus*, *Omphalotus*, *Schizophyllum*, *Ganoderma*, *Laetiporus*, *Lycoperdon*, *Coprinus*, *Macrolepiota* та ін. представлені в Колекції значним штамовим різноманіттям. Більшість культур була ізольована

з природного матеріалу, зібраного на території України, Росії, Білорусі, Чехії, Ізраїлю, США. Частина культур одержана з інших колекцій, організацій та від спеціалістів-мікологів. В колекції депоновані штами, що є об'єктами патентування. Колекція сприяє розвитку грибівництва в Україні.

Чисті культури одержані з тканини плодового тіла або з базидіо- та сумкоспор за загальноприйнятими та модифікованими методиками. Для ізолювання культур та їх зберігання здебільшого використовували агаризоване пивне сусло (2% цукру), мальц-агар, компостне, картопляно-декстрозне та ін. агаризовані середовища, в т.ч. з додаванням рослинних екстрактів. Культури зберігаються в холодильниках за температури 4-5 °С. Морфологічні та фізіологічні характеристики культур Колекції досліджуються за розробленою авторами програмою скринінгу, проводиться селекція штамів їстівних та лікарських грибів, перспективних для біотехнологічного застосування. В Каталозі наведені оригінальні ілюстрації мікроструктур 58 видів макроміцетів отримані за допомогою електронної сканувальної мікроскопії. Найважливіші публікації, які містять інформацію про Колекцію та досліджені штами наводяться в Каталозі (список публікацій).

Колекція надає консультації з ідентифікації культур. На базі Колекції проводиться навчання студентів-мікологів та біотехнологів.

INTRODUCTION

Above 10 thousands of species (Basidiomycota and Ascomycota) are belonging to macrofungi including mushrooms. Mushrooms play an important role in nature because they convert the huge lignocellulose biomass, forming mycorrhiza, demage plants etc. They also have considerable economic significance as objects of mushroom growing industry and as the source of pharmacological substances with oncostatic, immunomodulating, radioprotective, antiviral and other properties, dietary supplements, enzymes, antibiotics etc. For the protection and preservation of the genofond of macromycetes as well as for their practical application, pure cultures are used which are maintained in culture collections. The Culture collection of mushrooms (acronym IBK) was established at M.G. Kholodny Institute of Botany NASU about 30 years ago for researches in the field of biology, taxonomy and biotechnology of edible and medicinal macrofungi. The collection has the national status and the state financial support.

In 2011 the Collection is included a total number of 921 strains belonging to 169 species (73 genera). A special attention has been paid to the introduction of rare and vanishing species and the creation of taxonomic and strain diversity of medicinal mushrooms which count in the collection about 110 species. Species belonging to the genera *Pleurotus*, *Agaricus*, *Lentinus*, *Oudemansiella*, *Flammulina*, *Hericium*, *Piptoporus*, *Omphalotus*, *Schizophyllum*, *Ganoderma*, *Laetiporus*, *Lycoperdon*, *Coprinus*, *Macrolepiota* etc. are represented in the collection with the diversity of strains. On the base of the collection selection of strains promising for the biotechnological application was performed. The Collection promotes the development of mushroom growing in Ukraine. The Collection is the depository for patented strains.

The most of cultures were isolated from the natural material in Ukraine, Russia, Byelorussia, Czechia, Israel, USA etc. Some cultures were received from other collections, institutions and mycologists.

For isolation and preservation of cultures wort, malz, compost, potato-dextrose and other agar media were used. Cultures are preserved in refrigerator at 4-5 °C. Morphological and physiological characteristics of cultures were investigated corresponding to the original screening programme worked out by authors. Original scanning electron microscopy illustrations of the cultures of 58 macromycetes species from the IBK Collection are included in the Catalogue.

Essential publications which include information about the Collection and investigated strains are cited in the Catalogue (the list of publications).

Вказівки для користування Каталогом

Культури грибів (Basidiomycota та Ascomycota) розташовані в алфавітному порядку латинських назв видових таксонів. Для кожної культури в каталозі наведено такі відомості: латинська назва виду та прізвище автора (авторів), що вперше цей вид описали; найбільш вживаний синонім; номер штаму в колекції ІБК, місце та дата збору вихідного матеріалу в природі (для деяких видів субстрат). Для штамів, одержаних з інших установ, наводяться також відомості про джерело отримання культури та її оригінальний номер, зазначається рік надходження в колекцію ІБК. Види, про лікарські властивості яких є відомості, в списку позначені зірочкою (*).

Directions for the Catalogue

Cultures of mushrooms (Basidiomycota and Ascomycota) are presented in the Catalogue in the alphabet order of species names. For each strain the following information is given: the latin name of specie and the name of author (authors) who described the taxon; commonly used synonym; the number of strain in IBK; the place and data of isolation (sometimes the substrate on which the carpophore was found). The information is also given from which some strains were obtained, including the initial number of obtained strain and the data of its receiving in IBK. Species with known medicinal properties are indicated (*).

Адреса Колекції культур шапинкових грибів (ІБК):

*Інститут ботаніки ім. М.Г. Холодного НАН України
вул. Терещенківська, 2, 01601, м. Київ, Україна,
Fax (38-044) 572-50-54
E-mail: ibk-kiev@ua.fm*

Adress of the Culture collection of mushrooms (IBK):

*M.G. Kholodny Institute of Botany,
National Academy of Sciences of Ukraine,
2, Tereschenkivska St., Kyiv, 01601- GSP, Ukraine
Fax (38-044) 572-50-54
E-mail: ibk-kiev@ua.fm*

**Список скорочень назв Колекцій культур та Установ:
Following abbreviations of Culture collections and
Institutions are used:**

- AMG – Association of mushroom growers of West Ukraine, Lviv, Ukraine
- BIN – V.L. Komarov Botanical Institute, Russian Academy of Sciences, St.-Petersburg, Russia
- CCBAS – Culture Collection of Basidiomycetes, Institute of Microbiology, Prague, Czech Republic
- CRIBK – Central Research Institute of Building Constructions, Moscow, Russia
- DNU – Donetsk National University, Donetsk, Ukraine.
- FIE – Institut für Forstwissenschaften, Eberswalde, Germany
- HAI – International Centre for Cryptogamic Plants and Fungi. Institute of Evolution, University of Haifa, Israel
- HNHM – Hungarian Natural History Museum, Budapest, Hungary
- IFB – Institute of Forestry, National Academy of Sciences of Byelorussia, Gomel, Byelorussia
- IMB – International Myco Biologics, Inc., Texas, USA
- InMi NASB – Institute of microbiology, National Academy of Sciences of Byelorussia, Minsk, Byelorussia
- Jena – Friedrich-Schiller-Universität, Jena, Germany
- KPDR – Institute of Plant, Pyongyang, Korea
- KPI – National Technical University of Ukraine «Kyiv Polytechnic Institute»
- Leipzig – Institute of Botany, Department of Terrestrial Ecology, University of Leipzig, Germany
- MMRI – Mori Mushroom Research Institute, Japan
- MS – Mycological Station, Prague, Czech Republic
- MSU – Moscow State University, Moscow, Russia
- TA – Institute of Zoology and Botany, Tartu, Estonia
- VKM – Russian Collection of Microorganisms, Moscow, Russia
- WCh – Company «Weser-Champignon», Germany

СПИСОК ШТАМІВ
LIST OF STRAINS

Abortiporus biennis (Bull.) Singer * (= *Polyporus biennis* (Bull.)

Fr. = *Heteroporus biennis* (Bull.) Lázaro Ibiza.)

5093 ← BIN (055), 1987, Russia, Leningrad region, 1963

Agaricus abruptibulbus Peck

284 ← BIN (0628), 1992 ← CCBAS (301), Czech Republic,
Bohemia, 1963

Agaricus arvensis Schaeff. *

14 Ukraine, Kyiv region, Novoselki, 1971

15 ← CCBAS (302), 1967, Czech Republic, Bohemia, 1964

17 Ukraine, Kyiv, environs, 1968

Agaricus bernardiiformis Bohus

156 ← HNHM, 1978

Agaricus bisporus (J.E. Lange) Imbach * (= *Agaricus hortensis*

J.E. Lange; = *Agaricus brunnescens* Peck)

4 ← VKM, (VCMF-1998), 1969 ← MMRI, (M-2)

708 ← Company «Pilzbrut Dieskau» (S-408), Germany, 1995

709 ← Company «Pilzbrut Dieskau» (S-409), Germany, 1995

710 ← Company «Pilzbrut Dieskau» (S-410), Germany, 1995

720 ← CCBAS (X-20), 1994

928 ← HAI, 1995

1680 ← HAI (18), 2000, Israel, Daliya-et-Carmel, 1995

5401 Ukraine, Kyiv, 1988

5402 Ukraine, Kyiv, environs, 1995

5404 ← State farm «Zarechje» (273), Moscow, Russia, 1995

5405 ← State farm «Zarechje» (455), Moscow, Russia, 1995

5406 Ukraine, Kyiv, environs, 1995

5407 Ukraine, Kyiv, environs, 1995

- 5408 Ukraine, Kyiv, environs, 1995
5409 ← State farm «Zarechje» (Somycel 53), Moscow, Russia, 1992
5410 ← Laboratory «Bio-nc» (217), Ukraine, Kharkiv, 1993
5411 Ukraine, Kyiv, environs, 1995
5412 ← State farm «Zarechje» (GDR-2), Moscow, Russia, 1992
5413 ← State farm «Zarechje» (U-3), Moscow, Russia, 1992
5414 ← Laboratory «Bio-nc» (10-21), Kharkov, Ukraine, 1993
5415 ← KPDR (A-1), 1992
5416 ← Netherlands, Horst (Le Lion C33), 1992
5417 ← Netherlands, Horst (Somycel 153), 1992
5418 Ukraine, Kyiv, environs, 1993
5419 Ukraine, Kyiv, environs, 1993
5420 ← MSU (Somycel-512), 1997
5421 ← MSU (Somycel-300), 1997
5422 Ukraine, Donetsk, environs, 2000
5423 Ukraine, Kyiv, environs, 1977
5424 ← Company «Pilzbrut Dieskau» (S-11), Germany, 1995
5425 ← Company «Pilzbrut Dieskau» (S-407), Germany, 1995
5426 ← Company «Pilzbrut Dieskau» (S-245), Germany, 1995
5427 ← Company «Pilzbrut Dieskau» (S-763), Germany, 1995
5428 ← Company «Pilzbrut Dieskau» (B-62), Germany, 1995
5429 ← Company «Pilzbrut Dieskau» (B-399), Germany, 1995
5430 Ukraine, Kyiv, environs, 1996
5431 Ukraine, Kyiv, environs, 1996
5432 Ukraine, Kyiv, environs, 1996
5433 Ukraine, Kyiv, environs, 1996
5434 Ukraine, Kyiv, environs, 1996

***Agaricus bitorquis* (Quél.) Sacc. ***

- 143 Ukraine, Kyiv, park, 1977
285 Moldova, Strashenski region, 1985
291 ← BIN (0329), 1998, Russia, St.-Petersburg, 1976
1681 ← HAI (31), 2000, Israel, Haifa, park, 1994

***Agaricus bonii* Wasser**

- 1682 ← HAI (36), 2000, Israel, Haifa, park, 2000

- Agaricus brasiliensis* Wasser, M. Didukh, Amazonas & Stamets *
1873 ← HAI (954), 2005
- Agaricus bresadolanus* Bohus
104 Ukraine, Kherson region, Tsjurupinsk, acacia forest, 1989
- Agaricus campestris* L. *
144 Ukraine, Kyiv, park, 1976
- Agaricus gennadii* (Chatin & Boud.) P.D. Orton
1801 ← HAI (218), 2002, Israel, Mt. Carmel National park,
University of Haifa, 2000
- Agaricus hortensis* (Cke) Pilát
36 ← ERIA, 1969
- Agaricus nevoi* Wasser
1807 ← HAI (402), 2002, Israel, Mt. Carmel National park,
University of Haifa, 2001
- Agaricus nivescens* (F.H. Møller) F.H. Møller
1810 ← HAI (475), 2002
- Agaricus pequinii* (Boud.) Singer
1779 ← HAI (473), 2002, Israel, Mt. Carmel National Park,
University of Haifa, 2001
- Agaricus romagnesii* Wasser
1809 ← HAI (791), 2002, Israel, Mt. Carmel National Park,
University of Haifa, 2000
- Agaricus silvaticus* Schaeff. *
37 Ukraine, Kyiv, environs, 1968
- Agaricus xanthodermus* Genev. *
294 Ukraine, Kyiv, environs, 1979
1517 Ukraine, Kyiv, park, 1995

***Agrocybe aegerita* (V. Brig.) Singer *** (= *Agrocybe cylindracea* (DC.) Gillet)

12 ← MS (NN), 1978

166 ← MS (A-8), 1977

167 ← CCBAS (319), 1980, Bulgaria, Lauta near Plovdiv, on
Populus sp., 1979

168 ← MS (1401), 1979

217 ← CCBAS (B-4), 1983, isolated 1981

218 ← CCBAS (315), 1983, Slovakia, Harbanovo, 1971

960 ← WCh, 1996

1511 ← HAI (4), 1996, Israel, 1995

1512 ← HAI (5), 1996, Israel, 1995

1513 ← HAI (6), 1996, Israel, 1995

1853 ← HAI (1038), 2005

5127 ← CCBAS (AA-009), 1981

***Amanita muscaria* (L.) Hook ***

25 Ukraine, Lvivski district, 1988

***Amanita phalloides* (Fr.) Link ***

225 Ukraine, Boguslav district, 1983

***Amanita rubescens* (Pers.) Fr.**

38 Ukraine, Kyiv, environs, 1967

1516 ← HAI (1), 1996, Israel, 1995

***Amanita vaginata* (Bull.) Lam.** (= *Amanitopsis vaginata* (Bull.) Roze)

5 Ukraine, Kyiv, environs, 1967

***Amyloporia lenis* (P. Karst.) Bond. & Singer**

1026 ← DNU (KB-92), 1995, Ukraine, Donetsk, environs, 1992

***Armillaria solidipes* (Peck) *** (= *Armillariella ostoyae* Romagn.)

1945 Ukraine, Kyiv, environs, 2009

***Auricularia auricula-judae* (Bull.) Quél. *** (= *Auricularia auricula* (Hook.) Underw.)

961 ← WCh (1), 1996

1671 ← HAI (330), 2000, Israel, Akko, park, on *Ficus sycomotus*,
1997

1858 ← HAI (1036), 2005

***Auricularia polytricha* (Mont.) Sacc. ***

517 ← China (Au-3), 1995

975 ← CCBAS, (str.4), 1994, Vietnam, 1971

***Bjerkandera adusta* (Willd.) P. Karst. * (= *Polyporus adustus*
(Willd.) Fr.)**

1565 Ukraine, Kyiv, environs, 1997

1576 Ukraine, Chernigiv region, 1997

***Bjerkandera fumosa* (Pers.) P. Karst. ***

1562 Ukraine, Kyiv, on *Juglans regia*, 1997

1564 Ukraine, Kyiv, on *Fraxinus* sp., 1997

***Cerrena unicolor* (Bull.) Murrill * (= *Daedalea unicolor* (Bull.)**

Fr., = *Trametes unicolor* (Bull.) Pilát)

310 ← BIN (0681), 1986, Russia, Leningrad region, on *Betula* sp.,
1959

5101 ← BIN (0060), 1981

***Chaetoporellus aureus* (Peck) Bondartsev**

5048 ← Central Science-research Institute of wood mechanical
processing (063), Russia

***Chondrostereum purpureum* (Pers.) Pouzar * (= *Stereum purpureum*
Pers.:Fr.)**

1696 ← IFB (149), 2000, Byelorussia, Minsk, 1993

5102 ← BIN (030), 1989

***Clitocybe nebularis* (Batsch) P. Kumm. ***

2005 ← MSU (3921), Russia, Moscow region, 2007

***Coprinellus ephemerus* (Bull.) Redhead, Vilgalys & Moncalvo ***

(= *Coprinus ephemerus* (Bull.) Fr.)

8 Ukraine, Kyiv, environs, 1974

49 ← BIN (3372 str.1), 1969, Russia, St.-Petersburg, 1965
245 Ukraine, Zakarpatski region, Svalava district, 1987

***Coprinopsis atramentaria* (Bull.) Redhead, Vilgalys & Moncalvo ***
(= *Coprinus atramentarius* (Bull.))
1946 Ukraine, Kyiv, environs, 2007

***Coprinopsis cinerea* (Schaeff.) * (= *Coprinus cinereus* (Schaeff.) Gray)**
200 Russia, Primorsky Territory, Sichote-Alinsky Reserve, 1980
262 Ukraine, 1982

***Coprinus comatus* (O.F. Møll.) Pers. ***
137 ← BIN (0369 str.4), 1979, Russia, Leningrad region, 1969
138 Ukraine, Crimea, 1989
173 ← BIN (0370), 1980 ← FIE, 1969
1544 Ukraine, Kyiv, 1997
1687 Ukraine, Kyiv, 2000
1727 ← HAI (252), 2000, Israel, Haifa, park, 2000
1930 ← HAI (252), 2000, Israel, Haifa, park, 2000
2000 ← MSU (3922), 2009, Russia, 2007
2141 ← «Aloha medicinal», 2011, Nevada, USA

***Cordyceps militaris* (L.) Link ***
1862 ← HAI (1035), 2005
2029 ← «Aloha medicinal» (P₁₄), 2010, Nevada, USA

***Cordyceps ophioglossoides* (Ehrh.) Link ***
2136 ← «Aloha medicinal», 2011, Nevada, USA

***Cordyceps sobolifera* (Hill.) Berk. ***
2137 ← «Aloha medicinal», 2011, Nevada, USA

***Crinipellis schevczenkoi* Buchalo**
31 Kirghizia, Chuyskaya valley, from soil, 1972

***Cyathus olla* (Batsch) Pers. (= *Peziza olla* (Batsch) Pers.)**
1964 Ukraine, Ukrainian Steppe Reserve, 2008
1965 Ukraine, Ukrainian Steppe Reserve, Kuchuguri, 2008

***Cyathus striatus* (Huds.) Willd. *** (= *Peziza striata* Huds.)

1966 Ukraine, Khmelnytsky region, Kamenez-Podolsky, Kitaygorod,
1977

***Daedalea quercina* (L.) Pers.** (= *Trametes quercina* (L.) Pilát)

350 ← BIN (0101), 1986

2069 ← DNU (T-352), 2011, Ukraine, Krasnolimanske forestry,
1995

2128 ← DNU (Dq-08), 2011, Ukraine, Krasnolimanske forestry,
2008

***Fistulina hepatica* (Schaeff.) With. ***

302 Ukraine, Kyiv, environs, 1968

315 Ukraine, Sumy region, Klementovo, 1986

1819 Ukraine, Kyiv, environs, on *Quercus* sp., 2001

2079 ← DNU (Fh-08), 2011, Ukraine, Krasnolimanske forestry,
2008

2080 ← DNU (Fh-18), 2011, Ukraine, Krasnolimanske forestry,
2008

5061 ← BIN (0107), 1978 ← CCBAS, 1966

***Flammulina velutipes* (Curtis) Singer ***

29 ← CCBAS (F-3), 1977

72 ← BIN (0383 str.1), 1979, Russia, St.-Petersburg, Botanical
garden, 1957

112 Ukraine, Kyiv, environs, 1969

118 ← MS (1009), 1979

126 ← MS (1010), 1979

261 Russia, Primorsky Territory, Usuriysk Reserve, 1980

315 Ukraine, Sumy region, Klementovo, 1986

1668 Ukraine, Mykolaiv region, 1999

1669 Ukraine, Mykolaiv region, 2000

1860 ← HAI (1046), 2005

1878 ← DNU (600), Ukraine, Donetsk, on *Robinia pseudoacacia*,
2005

1879 ← DNU (F-204), Ukraine, Donetsk, Botanical garden, on *Acer
negundo*, 2005

- 1880 ← DNU (F-BOP), Ukraine, Donetsk, on *Robinia pseudoacacia*, 2005
 1881 Ukraine, Kyiv, 2005
 1882 Ukraine, Kyiv, on the stump, 2005
 1883 ← DNU (F-202), Ukraine, Donetsk, on *Fraxinus lanceolata*, 2005
 1884 ← Ukraine, Kyiv region, 2007
 1885 ← DNU (F-205), Ukraine, Donetsk, 2005
 1974 ← Japan, 2009
 1986 ← MSU, 2009, Russia, Moscow region, Zvenigorod
 1994 ← Japan, 2009 (cultivated)
 2038 ← «Aloha medicinal» (21), 2010, Nevada, USA
 2039 ← «Aloha medicinal» (3), 2010, Nevada, USA
 2051 ← DNU (F-101), 2011, Ukraine, Donetsk, 2009
 2070 ← DNU (F-03), 2011, Ukraine, Donetsk, Botanical garden, 2002
 2071 ← DNU (F-04), 2011, Ukraine, Donetsk, Botanical garden, 2002
 2072 ← DNU (F-06), 2011, Ukraine, Donetsk, Botanical garden, 2002
 2073 ← DNU (F-073), 2011, Ukraine, Donetsk, Botanical garden, 2002
 2074 ← DNU (F-074), 2011, Ukraine, Donetsk, Botanical garden, 2002
 2075 ← DNU (F-1), 2011, Ukraine, Donetsk, 1998

***Fomes fomentarius* (L.) J.J. Kickx ***

- 355 ← BIN (0112), 1987, Byelorussia, Belovezskaya puscha, 1971
 1003 ← BIN (0831), 1987, Mongolia
 1528 Ukraine, Kyiv, environs, 1997
 1573 Ukraine, Chernigiv region, Jaroslavka, 1997
 1591 Ukraine, Kyiv, environs, 1997
 2147 ← «Aloha medicinal», 2011, Nevada, USA
 2148 Ukraine, Kyiv, Puscha-Vodica, on *Betula* sp., 2011

***Fomitopsis cajanderi* (P. Karst.) Kotl. & Pouzar (= *Fomes subroseus* (Weir) Overh.)**

- 1690 ← IFB (132), 2000, Byelorussia, 1993

***Fomitopsis pinicola* (Sw.) P. Karst. ***

- 1523 Ukraine, Kyiv, environs, 1997
2129 ← DNU (TO-09), 2011, Ukraine, Donetsk, Botanical garden,
1991
5142 ← BIN (0137)

***Ganoderma applanatum* (Pers.) Pat. ***

- 920 ← InMi NASB (920), 1995, Byelorussia, Minsk, environs, 1989
1530 Ukraine, Kyiv, environs, 1997
1552 Ukraine, Kyiv region, Teterev, 1997
1553 Ukraine, Kyiv region, Teterev, 1997
1572 Ukraine, Chernigiv region, Jaroslavka, 1997
1593 Ukraine, Kyiv, 1997
1672 ← HAI (287), 2000, Israel, Tel-Aviv, on *Ficus*, 1997
1701 ← IFB (176), 2000
1895 Ukraine, Vinnitsa, 2006
1896 Ukraine, Kyiv region, 2006
1897 Ukraine, Kyiv region, 2006
1898 Ukraine, Crimea, 2006
1899 Ukraine, Crimea, 2006
1969 Ukraine, Kyiv, park, 2009
1970 Ukraine, Kyiv, park, 2009
1981 Ukraine, Kyiv region, Jurivka, on *Quercus* sp., 2009
1982 Ukraine, Kyiv, park, 2009
2021 Ukraine, Zitomir region, 2009
2043 Ukraine, Kyiv, park «Syretzkij», 2010

***Ganoderma lucidum* (Curtis) P. Karst. ***

- 331 Ukraine, Kharkiv region, Korobov Khutor, 1986
921 ← InMi NASB, 1995, Byelorussia, Minsk, environs, 1989
922 ← CCBAS (707), 1985
1607 ← KPDR (358), 1998
1608 ← KPDR (NB-2), 1998
1621 ← IMB (6 Led 007), 1998
1670 ← HAI (447), 2000, Israel, Tel-Aviv, on *Quercus* sp.
1683 Ukraine, Kyiv, environs, 2000
1787 ← WCh (1722), 2000

1788 ← WCh (1720), 2000
1887 ← HAI, 2003, Israel, Masaada, 2003
1888 ← HAI, 2003 ← Germany, Stutgard, Botanical garden
1889 ← HAI, 2006
1900 ← IMB, 2002
1901 ← IMB, 2000
1902 ← IMB, 2001
1903 ← IMB, 2001
1904 Ukraine, Crimea, 2006
1905 Ukraine, Crimea, 2006
1906 Ukraine, Crimea, 2006
1907 Ukraine, Crimea, 2006
1908 Ukraine, Crimea, 2006
1909 Ukraine, Crimea, 2006
1910 Ukraine, Crimea, 2006
1911 Ukraine, Crimea, 2006
1912 Ukraine, Crimea, 2006
1913 Ukraine, Crimea, 2006
1914 Ukraine, Crimea, 2006
1980 Ukraine, Kyiv, on *Populus* sp., 2009
2030 Turkey, Retchie, National park, 2010
2066 ← DNU (Gl-1), 2011, Ukraine, National park «Svjati gory»,
2008
2067 ← DNU (Gl-2), 2011, Ukraine, National park «Svjati gory»,
2008
2068 ← DNU (Gl-3), 2011, Ukraine, National park «Svjati gory»,
2008
2156 ← «Aloha medicinal» (SIO P₄), 2011, Nevada, USA
2157 ← «Aloha medicinal» (Pecan P₄), 2011, Nevada, USA
2163 ← «Aloha medicinal» (P₄), 2011, Nevada, USA

***Ganoderma tsugae* Murrill ***

1848 ← HAI (1033), 2005
1859 ← HAI (1032), 2005
2024 ← «Aloha medicinal» 2010, Nevada, USA

***Gloeophyllum odoratum* (Wulfen) Imazeki**

1691 ← IFB (134), 2000, Byelorussia, Minsk, environs, 1993

***Gloeophyllum sepiarium* (Wulfen) P.Karst. *** (= *Lenzites sepiaria* (Wulfen) Fr.)

305 ← BIN (0160), 1969, Russia, Leningrad region, 1966

325 ← VKM (F-433), 1971 ← CRIBK

5008 ← BIN (0156), 1981

***Gloeophyllum trabeum* (Pers.) Murrill ***

1588 Ukraine, Kyiv, 1997

***Grifola frondosa* (Dicks.) Gray ***

332 Ukraine, Zakarpatski region, Beregovsky district, Tyssa locality, 1987

923 ← CCBAS (653), 1995, Czech Republic, Bohemia, 1982

962 ← WCh (653), 1996, Hocuto Corporation, Japan

976 ← WCh, 1996, Hocuto Corporation, Japan

1705 ← IFB (WC828), 2000

1707 ← IFB, 2000

1798 ← Uzhgorodskij University (K.9), 2002, Ukraine, Karpaty

1799 ← Uzhgorodskij University (K.g.B.), 2002, Ukraine, Karpaty

1800 ← Uzhgorodskij University (Kg 501), 2002, Ukraine, Karpaty

1871 ← HAI (527), 2005

1990 ← Japan, 2009 (cultivated)

2018 ← USA, 2010 (cultivated)

2046 Ukraine, Kyiv region, 2010

2164 ← «Aloha medicinal» (Aurora P₁₆), 2011, Nevada, USA

***Gymnopilus sapineus* (Fr.) Murrill ***

211 Ukraine, Kyiv region, Katyuzhanka, 1981

***Gymnopilus spectabilis* (Fr.) Singer ***

212 Ukraine, Kyiv region, Klavdievo, 1981

***Gyromitra slanevski* Heluta**

1932 Ukraine, Kyiv region, Lesniki, 2009

***Gyromitra infula* (Schaeff.) Quél. (= *Helvella infula* Fr.)**

1996 ← MSU, 2009, Russia, Moscow region, Zagorsk

***Hericium cirrhatum* (Pers.) Nikol.** (= *Creolophus cirrhatus* (Pers.)
P. Karst.)

339 Ukraine, Znamenka, 1988

1609 Ukraine, Kyiv, 1998

***Hericium clathroides* (Pall.) Pers.** *

977 Ukraine, Kyiv, environs, 1997

***Hericium coralloides* (Scop.) Pers.** *

1876 Ukraine, 2008

2025 ← «Aloha medicinal» (P₃), 2010, Nevada, USA

2034 ← «Aloha medicinal» (cultivated), 2010, Nevada, USA

***Hericium erinaceus* (Bull.) Pers.** *

963 ← WCh (He-13), 1996 ← Hocuto Corporation, Japan

964 ← WCh (He-14), 1996 ← Hocuto Corporation, Japan

965 ← WCh (He-7), 1996 ← Taivan

966 ← WCh (He-9), 1996 ← Hocuto Corporation, Japan

967 ← WCh (He-12), 1996 ← Hocuto Corporation, Japan

968 ← WCh (He-8), 1996 ← Hocuto Corporation, Japan

969 ← WCh (He-10), 1996 ← Hocuto Corporation, Japan

970 ← WCh (He-5), 1996 ← USA

971 ← WCh (He-11), 1996 ← Hocuto Corporation, Japan

986 ← WCh (He-15), 1996 ← Hocuto Corporation, Japan

991 ← WCh (He-1), 1997 ← Belgium

992 ← WCh (He-2), 1997 ← Netherlands

993 ← WCh (He-4), 1997 ← Netherlands

1706 ← IFB (203), 2000

1756 ← WCh (He-6), 2000 ← USA

1866 ← HAI (310), 2005

2016 ← USA, 2010 (cultivated)

***Heterobasidion annosum* (Fr.) Bref.** * (= *Fomitopsis annosa* (Fr.)
P. Karst.)

361 ← BIN (0112), 1987, Byelorussia, Belovezskaya puscha, 1971

***Hirschioporus laricinus* (P. Karst.) Teram.** (= *Trichaptum laricium*
(P. Karst.) Ryvarden)

1075 ← DNU (A-032), 1977

***Hohenbuehelia myxotricha* (Lév.) Singer**

1599 Ukraine, Kyiv, 1997

***Hygrophorus hypothejus* (Fr.) Fr.**

139 ← BIN (0393 str.1), 1980, Russia, Karelsky isthmus, 1963

***Hypholoma fasciculare* (Huds.) P. Kumm. *** (= *Naematoloma fasciculare* (Huds.:Fr.) P. Karst.)

56 Ukraine, Kyiv, environs, 1970

***Hypholoma sublateritium* (Schaeff.) Quél. *** = (*Naematoloma sublateritium* (Fr.) P. Karst.)

79 Ukraine, Kyiv, environs, 1968

***Hypsizygus marmoreus* (Peck) H.E. Bigelow *** (= *Hypsizygus tessulatus* (Bull.) Singer)

1610 ← WCh (MH 02512), 1998 ← Hocuto Corporation, Japan

1611 ← WCh (MH 02511), 1998 ← Hocuto Corporation, Japan

1612 ← WCh (MH 02510), 1998 ← Hocuto Corporation, Japan

1656 ← WCh, 1999

1867 ← HAI (129), 2005

1868 ← HAI (129), 2005

1869 ← HAI (604), 2005

1870 ← HAI (830), 2005

1975 ← Japan, 2009

1979 ← Japan, 2009

2006 ← Japan, 2009 (cultivated)

***Hypsizygus ulmarius* (Bull.) Redhead *** (= *Lyophyllum ulmarium* (Bull.) Kühner)

67 Ukraine, Kyiv, environs, 1968

113 ← BIN, 1979, Russia, St.-Petersburg, Botanical garden, 1970

1939 Ukraine, Kyiv, Lesniki, 2008

***Inonotus obliquus* (Ach.:Pers.) Pilát ***

1877 ← InMiNASB, 1998

2026 ← «Aloha medicinal» (P₁₅), 2010, Nevada, USA

***Inonotus rheades* (Pers.) Bondartsev & Singer** (= *Polyporus rheades* Pers.)

1673 ← HAI (649), 2000

Irpex lacteus* (Fr.) Fr.

354 ← BIN (0187), 1987, Russia, Sochi, on *Cerasus avium*, 1962

1080 ← DNU (D-1), 2000, Ukraine, Donetsk, 1996

1081 ← DNU (D-9), 2000, Ukraine, Donetsk, environs, 1996

1082 ← DNU (BN-3), 2000, Ukraine, Donetsk, environs, 1996

1574 Ukraine, Chernigiv region, Jaroslavka, 1997

1630 ← DNU (D-4), 1999

1631 ← DNU (C-11), 1999

1632 ← DNU (C-10), 1999

2130 ← DNU (B-059), 2011, Donetsk, botanical garden, 1991

***Kuehneromyces mutabilis* (Schaeff.) Singer & A.H. Sm. ***

(= *Pholiota mutabilis* (Schaeff.) P. Kumm.)

51 Ukraine, Kyiv, environs, 1990

58 ← FIE (49 WT), 1966

122 ← Institute of Forestry, 1978, Russia, Petrozavodsk, environs,
1977

241 Ukraine, Zakarpatski region, Kosovo, 1987

2003 ← MSU (3926), 2009, Russia, Moscow region, 2007

5316 ← BIN (0563), 1985, Leningrad region, 1979

***Laetiporus sulphureus* (Bull.) Murrill * (= *Polyporus sulphureus* (Bull.) Fr.)**

306 Ukraine, Kyiv, environs, 1969

307 Ukraine, Ternopil region, on *Fagus*, 1976

308 Ukraine, Kyiv, 1971

352 ← BIN (0191), 1987, Byelorussia, Minsk region, on *Fraxinus*,
1971

1518 Ukraine, Kyiv, environs, 1997

1625 Ukraine, Kyiv, environs, 1998

1692 ← IFB (138), 2000, Byelorussia, Korenevka, 1993

1771 Ukraine, Kyiv, Park KPI, on the stamp, 2001

1772 Ukraine, Kyiv, Park KPI, on *Populus* sp., 2001

- 1773 Ukraine, Kyiv, Nivki, 2001
 1774 Ukraine, Kyiv, in the grass, 2001
 1775 Ukraine, Kyiv, Brovari, on the stamp, 2001
 1776 Ukraine, Kyiv, Park KPI, on the stamp, 2001
 1811 Ukraine, Kyiv, Park KPI, 2002
 1812 Ukraine, Kyiv, Hydropark, on the stamp of *Populus* sp., 2002
 1813 Ukraine, Kyiv, Park KPI, on *Robinia alba*, 2002
 1814 Ukraine, Kyiv, Park KPI, on the stamp, 2002
 1815 Ukraine, Olevsk, on *Cerosus* sp., 2002
 1816 Ukraine, Olevsk, on *Aesculus hippocastanum*, 2002
 1817 Ukraine, Olevsk, on *Quercus* sp., 2002
 1818 Ukraine, Olevsk, on *Quercus* sp., 2002
 1864 ← HAI (1033), 2005
 1941 Ukraine, Kyiv, Zukov island, 2007
 1968 Ukraine, Kyiv, park, 2009
 1971 Ukraine, Zitomir region, Kornin, 2009
 1989 Ukraine, Kyiv, park «Nivki», 2009
 1995 Ukraine, Kyiv, park, near metro «Nivki», on *Quercus* sp., 2009
 2042 Ukraine, Kyiv, park «Nivki», 2010
 2155 Ukraine, Kyiv, park, 2011

***Lentinus edodes* (Berk.) Singer ***

- 55 ← VKM (F-1999), 1979 ← MMRI, (121)
 57 ← VKM (F-2001), 1979 ← MMRI, (W-4)
 65 ← BIN (Sochi-454), 1976
 502 ← KPDR (B-3), 1990
 503 ← Netherlands, Horst (25.0-1), 1992
 504 ← Netherlands, Horst (25.0-2), 1992
 505 ← KPDR (B-4), 1992
 506 ← Academy of agriculture (3.01), Posnan, Poland, 1993
 507 ← Academy of agriculture (3.02), Posnan, Poland, 1993
 508 ← Academy of agriculture (3.04), Posnan, Poland, 1993
 509 ← Company «Pilzbrut Dieskau» (L-12), Germany, 1995
 510 ← DNU, 1992
 511 ← Northwest Mycological Consultants Inc., (CS-53), Oregon,
 USA, 1994

512 ← Northwest Mycological Consultants Inc., (CS-158), Oregon,
USA, 1994
513 ← Company «Pilzbrut Dieskau» (L-20), Germany, 1995
514 ← IFB (06), 1998 ← BIN (0404)
515 ← IFB (107), 1997
516 ← China (L-54), 1995
518 ← IFB (13-14), 1995
519 ← IFB (193), 1995
520 ← IFB (D), 1995
521 ← IMB (013), 1998
522 ← IMB (050), 1998
523 ← Northwest Mycological Consultants Inc., (CS-41), Oregon,
USA, 1994
524 ← DNU, 2000 ← USA (127/1)
711 ← CCBAS (Japan 1), 1994
712 ← CCBAS (Japan 2), 1994
713 ← CCBAS (Weiden), 1994
714 ← CCBAS (Japan 4), 1994
717 ← Company «Pilzbrut Dieskau» (L-11), Germany, 1995
718 ← Company «Pilzbrut Dieskau» (L-17), Germany, 1995
996 ← WCh (K-30), 1997
997 ← WCh (B-505), 1997
998 ← WCh (LE-5), 1997
999 ← WCh (KH), 1997
1500 ← WCh (K-60), 1997
1501 ← WCh (Hub.), 1997
1502 ← WCh (4008), 1997
1534 ← IMB (LE-012), 1997
1626 ← CCBAS (L-4), 1995
1628 ← Company «Pilzbrut Dieskau» (L-20), Germany, 1995
1658 ← Mycotec Inc. (106), USA, Oregon, 2000
1659 ← Mycotec Inc. (127), USA, Oregon, 2000
1660 ← Mycotec Inc. (153), USA, Oregon, 2000
1709 ← IFB (194), 2000
1710 ← IFB (197), 2000
1711 ← IFB (195), 2000

1712 ← IFB (198), 2000
1723 ← HAI (251), 2000
1973 ← Japan, 2009 (cultivated)
1992 ← Japan, 2009 (cultivated)
2014 ← USA, 2010, (cultivated)
2022 ← «Aloha medicinal» (P₉), 2010, Nevada, USA
2023 ← «Aloha medicinal» (P₂₂), 2010, Nevada, USA
2047 ← Israel (369), 2011
2048 ← Israel (858), 2011
2056 ← DNU (Le-2), 2011, China, 2009
2059 ← DNU (Le-4), 2011, China, 2009
2081 ← DNU (Le-10), 2011, China, 2009
2082 ← DNU (Le-5), 2011, China, 2008
2083 ← DNU (Le-6), 2011, China, 2008
2084 ← DNU (Le-7), 2011, China, 2009
2085 ← DNU (Le-9), 2011, China, 2009
2133 ← University Chong Duk, (101), South Korea, 2011
2134 ← University Chong Duk, (502), South Korea, 2011
2135 ← University Chong Duk, (302), South Korea, 2011

***Lentinus polychloros* Lév.** (= *Panus polychrous* (Lév.) Singer)

1924 ← HAI (129), 2008

***Lentinus sajor-caju* (Fr.) Fr.** (= *Pleurotus sajor-caju* (Fr.) Singer)

1014 ← MS, 1993

1542 ← USA, 1997

1661 ← Mycotec Inc. (203), USA, Oregon, 2000

2158 ← «Aloha medicinal» (P₁₂), 2011, Nevada, USA

***Lentinus tigrinus* (Bull.) Fr.** * (= *Panus tigrinus* (Bull.) Singer)

13 Ukraine, Kyiv, environs, 1972

34 Ukraine, Kyiv region, Koncha-Zaspa, 1989

83 Russia, from water of the river Volga, 1972

131 Ukraine, Kyiv, environs, 1968

201 Ukraine, Kyiv region, Novoselki, 1981

249 ← CCBAS (122), 1987, Czech Republic, Moravia, 1966

1988 Russia, Rostov region, 2006

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

1001 Ukraine, Kyiv, environs, 1965
1602 Ukraine, Czernigiv region, Jaroslavka, 1997

***Lepiota cristata* (Bolton) P. Kumm.**

2062 ← DNU (1), 2011, Ukraine, Donetsk, 2010
2086 ← DNU (2), 2011, Ukraine, Donetsk, 2010
2087 ← DNU (3), 2011, Ukraine, Donetsk, 2010
2088 ← DNU (4), 2011, Ukraine, Donetsk, 2010

***Lepista luscina* (Fr.) Singer ***

64 ← CCBAS (394), 1969, Czech Republic, Bohemia, near Prague,
1962

***Lepista nuda* (Bull.) Cooke * (= *Tricholoma nudum* (Bull.) P. Kumm.)**

61 Ukraine, Kyiv, environs, 1968
62 Ukraine, Kyiv, environs, 1968
149 Ukraine, Kyiv region, Brovary, 1976
232 ← MS, 1985, Prague, Czech Republic, near Zachove, 1978
1667 Ukraine, Mykolaiv, environs, 1997
1704 ← IFB (191), 2000, Byelorussia, Gomel region, 1997
1729 ← HAI (274), 2000
2007 ← MSU, 2009, Russia, 2007

***Leucoagaricus carneifolius* (Gillet) Wasser ***

1803 ← HAI (125), 2002, Ukraine, Kyiv, Shevchenko Park, 1995

***Leucoagaricus leucothites* (Vittad.) Wasser**

1617 ← IMB (LLct 005), 1998
1618 ← IMB (LLct 009), 1998
1780 ← HAI, 2002, Israel, Mt Carmel National Park, 2001
1821 ← HAI (462), 2003, Israel, Haifa, University Park, 1998
1822 ← HAI, 2003, Israel, Mt Carmel National Park, University of
Haifa, 2001
1823 ← HAI (131), 2003, Israel, Mt Carmel National Park,
University of Haifa, 1995

***Leucocoprinus birnbaumii* (Corda) Singer**

- 1533 ← USA (131), Texas, San-Antonio, 1997
1619 ← IMB (LBR N 001), 1998
1808 ← HAI (411), 2002, USA, San-Antonio, Texas research Park,
1987

***Lycoperdon perlatum* Pers.: Pers. ***

- 403 ← BIN (0607), 1979, Russia, Leningrad region, Kingisep district,
1973
404 ← BIN (0606), 1979, Russia, Leningrad region, Lugansky
district, 1971
405 ← BIN (0456 str.2), 1979, Latvia, Riga, environs, 1978
406 ← BIN (0806), 1979, Estonia, Tartu region, 1973
408 Ukraine, Lviv region, Smoze, 1988
412 ← CCBAS, 1970, Czech Republic, Bohemia, Voznice near
Dobrzish, 1963
413 Ukraine, Kyiv region, Klavdievo, environs, 1967
414 Ukraine, Kyiv, environs, 1968
416 Ukraine, Kyiv, environs, 1968
423 Ukraine, Lviv region, Smoze, 1988
1720 ← BIN (0609), 2000, Russia, Leningrad region, 1966

***Lycoperdon pyriforme* Schaeff. ***

- 415 ← FIE (118a FIE), 1966
1718 ← BIN (0612), 2000 ← Germany, 1967
1719 ← BIN (0611), 2000, Russia, Leningrad region, 1966
1985 Ukraine, Kyiv, park, 2009

***Lycoperdon utriforme* Bull. * (= *Calvatia utriformis* (Bull.) Jaap.)**

- 1963 Ukraine, Ukrainian Steppe Reserve, Kuchuguri, 2008

***Lyophyllum shimeji* (Kawam.) Hongo * (= *Tricholoma shimeji*
Kawam.)**

- 1662 ← Mycotec Inc. (204), USA, Oregon, 2000

***Macrolepiota excoriata* (Schaeff.) S. Wasser**

- 154 Ukraine, Askania Nova Reserve, 1989
930 Ukraine, Kyiv, environs, 1995
1785 ← HAI (N), 2002, Israel, Thal-al-Gaaza, 2001

***Macrolepiota excoriata* var. *rubescens* (Duf.)Bon.**

1786 ← HAI, 2002, Israel, Thal-al-Gaaza, 2001

***Macrolepiota mastoidea* (Fr.) Singer**

1777 ← HAI (149), 2002, Israel, Golden Heights, Masaada, 2001

1778 ← HAI (149a), 2002, Israel, Golden Heights, Masaada, 2001

***Macrolepiota procera* (Scop.) Singer * = *Lepiota procera* (Scop.)**

S.F. Gray

63 Ukraine, Kyiv, environs, 1977

68 Ukraine, Kyiv, environs, 1968

70 Ukraine, Kyiv, environs, 1968

71 ← CCBAS (409), 1960, Czech Republic, Bohemia, Tachov,
environs, 1960

73 ← CCBAS (str.V), 1967, Czech Republic, Bohemia, Blanc hill,
1964

75 Ukraine, Kyiv, environs, 1977

155 ← BIN (0421), 1979, Russia, Leningrad region, Kavgolovo, 1969

250 Ukraine, Zakarpatsky region, Perekzin, 1988

985 Ukraine, Kyiv, environs, 1996

1686 Ukraine, Kyiv, Koncha Zaspa, 2000

1784 ← HAI, 2002, Israel, Dalton, Upper Galelee, 2001

2002 ← MSU (3930), 2009, Russia, Moscow region, 2006

***Macrolepiota puellaris* (Fr.) M.M. Moser**

255 Russia, Altai Territory, Altai Reserve, Yaylou, 1980

***Macrolepiota rhacodes* (Vittad.) Singer**

209 Ukraine, Kyiv, environs, 1982

***Marasmius alliaceus* (Jacq.) Fr. ***

77 Ukraine, Lviv region, Klimets, 1976

247 Ukraine, Lviv region, Smoze, 1988

***Marasmius androsaceus* (L.) Fr. ***

136 ← BIN (0424), 1979, Russia, Petrozavodsk, environs, 1977

***Marasmius oreades* (Bolton) Fr. ***

76 Ukraine, Kyiv, environs, 1969

1997 Ukraine, Zitomir region, 2009

1998 Ukraine, Kyiv, park, 2009

1999 Ukraine, Kyiv, park, 2009

***Marasmius scorodoni* (Fr.) Fr. ***

78 Ukraine, Kyiv, environs, 1969

116 ← Institute of Forestry, 1978, Russia, Petrozavodsk, environs,
1977

210 Ukraine, Kyiv, environs, 1982

343 Ukraine, Kyiv, environs, 1987

***Merulius tremellosus* Schrad. *** (= *Phlebia tremellosa* (Schrad.)

Nakasone & Burds.)

1557 Ukraine, Kyiv region, Teteriv, on *Quercus* sp., 1997

1694 ← IFB (141), 2000, Byelorussia, 1993

***Morchella angusticeps* Peck ***

1833 ← Leipzig (MC1SS14), 2004, India, Solan Himachal Pradesh,
2002

***Morchella conica* Pers. *** (= *Morchella vulgaris* (Pers.) Boud.)

1737 ← Jena (889), 2000 ← Germany, Hanover, 1991

1738 ← Jena (Mo Is 5), 2000 ← Israel, 1993

1739 ← Jena (Mo Is 17), 2000 ← Israel, 1993

1852 ← Leipzig (8MCJ), 2005, Germany, Jena, Kunatz, 2002

1942 ← HAI (3), 2007, Israel, Carmel, on *Quercus calliprinos*, 2007

1948 Ukraine, Kyiv, Park Siretz, 2008

1949 Ukraine, Kyiv, Park Siretz, 2008

1956 Ukraine, Kyiv, Metro Dorogozichi, 2008

1957 Ukraine, Kyiv, Metro Dorogozichi, 2008

1958 Ukraine, Kyiv, Metro Dorogozichi, 2008

1961 Ukraine, Kyiv, Park Siretz, 2008

***Morchella crassipes* (Vent.) Pers. ***

1834 ← Leipzig (14J2M), 2004, Germany, Jena, 2002

1851 ← Leipzig (10J), 2005, Germany, Jena, 2002

***Morchella esculenta* (L.) Pers. ***

- 1743 ← Jena, 2000, ← USA
1744 ← Jena (A0A7), 2000 ← France, 1987
1746 ← Jena (A0B7), 2000 ← France, 1987
1747 ← Jena (A7B7), 2000 ← France, 1987
1748 ← Jena (B0A7), 2000 ← France, 1987
1749 ← Jena (ATCC 32785), 2000 ← USA
1750 ← Jena (Mo24/2), 2000 ← France, 1990
1751 ← Jena (0A10), 2000 ← Germany, 1990
1752 ← Jena (7B20), 2000 ← France, 1987
1753 ← Jena (D7), 2000 ← France, 1987
1755 ← Jena (B0), 2000 ← Germany, 1990
1805 ← USA, Stamets, 2003 (Morel M-18), 2003
1820 ← USA, Stamets, 2003 (Morel M-28), 2003
1843 Ukraine, Kyiv, 2004
1950 Ukraine, Kyiv, park, 2008
1952 Ukraine, Kyiv, park, 2008
1960 Ukraine, Kyiv, park, 2008

***Morchella semilibera* DC. (= *Mitrophora semilibera* (DC.) Lév.)**

- 1740 ← Jena (95/7), 2000
1984 Ukraine, Kyiv, park, 2008

***Morchella spongiosa* Boud.**

- 1837 ← Leipzig (1J4M), 2003, Germany, Jena, Kunatz, 2002
1838 ← Leipzig (1J5M), 2003, Germany, Jena, Kunatz, 2002

***Morchella steppicola* Zerova**

- 1849 ← DNU (8J), 2005

***Neolentinus lepideus* (Fr.) Redhead & Ginns * (= *Lentinus lepideus* (Fr.) Fr.)**

- 66 ← VKM (F-432), 1970 ← CRIBK
103 ← VKM (F-710), 1979 ← Senezh Laboratory of Wood
Preservation, Moscow region, Russia
1537 ← Israel (LL008), 1997
1538 ← Israel (LL003), 1997

- 1539 ← Israel (LL005), 1997
1540 ← Israel (LL004), 1997
1541 ← Israel (LL002), 1997
2140 Ukraine, Kyiv, Puscha-Voditsa, on the stamp, 2011

***Ophiocordyceps sinensis* (Berk.) G.H. Sung, J.M. Sung, Hywel-Jones & Spatafora *** (= *Cordyceps sinensis* (Berk.) Sacc.)

- 2027 ← «Aloha medicinal» (P₅₁), 2010, Nevada, USA
2028 ← «Aloha medicinal» (P₁₃), 2010, Nevada, USA
2138 ← «Aloha medicinal» (P₁₂), 2011, Nevada, USA
2139 ← «Aloha medicinal» (CS6 (A)), 2011, Nevada, USA

***Omphalotus olearius* (DC.) Singer ***

- 937 ← HAI (401), 1995, Israel, Haifa, park, on *Quercus calliptratus*, 1995
938 ← HAI (237), 1995, Israel, Haifa, park, on *Olea europea*, 1995
939 ← HAI (7), 1995, Israel, Haifa, park, on *Quercus calliprinos*, 1995
940 ← HAI (8), 1995, Israel, Haifa, park, on *Quercus calliprinos*, 1995
941 ← HAI (367), 1995, Israel, Haifa, park, on *Quercus* sp., 1995
942 ← HAI (399/9), 1995, Israel, Haifa, park, on *Quercus* sp., 1995
943 ← HAI (240/6), 1995, Israel, Haifa, park, on *Olea europea*, 1995
944 ← HAI (383), 1995, Israel, Haifa, park, on *Olea europea*, 1995
945 ← HAI (236), 1995, Israel, Haifa, park, on *Olea europea*, 1995
946 ← HAI (297/9), 1995, Israel, Haifa, park, on *Quercus calliprinos*, 1995
947 ← HAI (368), 1995, Israel, Haifa, park, on *Quercus calliprinos*, 1995
1724 ← HAI (248), 2000, Israel, Haifa, park, on *Olea europea*, 2000

***Oudemansiella mucida* (Schrad.) Höhn. *** (= *Collybia mucida* (Schrad.:Fr.) Qué.)

- 223 Georgia, Lagodek Reserve, 1983
226 ← CCBAS (428), 1983, Czech Republic, Bohemia, Voznice near Dobrzhish, 1963
235 ← CCBAS (651), 1983, Czech Republic, Bohemia, Shumava mauntins, 1982
254 Ukraine, Zakarpatski region, Perezhin district, 1988

***Oudemansiella radicata* (Relhan) Singer ***

80 ← FIE (114a FIE), 1966

222 Georgia, Lagodek Reserve, 1983

227 ← CCBAS (668 str. VIII), 1984, Czech Republic, Bohemia, 1984

259 Ukraine, Zakarpatski region, Perezhin district, 1988

***Oxyporus obducens* (Pers.) Donk.**

356 Ukraine, Kyiv, environs, 1987

5085 Ukraine, Kyiv, environs, 1989

***Panellus serotinus* (Pers.) Kühner ***

1595 Ukraine, Kyiv, Golosievo, 1998

2001 ← MSU(3931), 2009, Russia, Moscow region, 2007

***Panus conchatus* (Bull.) Fr. ***

81 ← BIN (0431), 1968, Russia, Leningrad region, Lugansky district,
1960

135 ← BIN (0534), 1978, Leningrad region, 1975

***Paxillus panuoides* (Fr.) Fr.**

1676 ← HAI (479), 2000, Israel, Haifa, park, 2000

1677 ← HAI (736), 2000, Israel, Haifa, park, 2000

***Phaeolus schweinitzii* (Fr.) Pat. ***

5003 ← CCBAS (569), 1980

***Phallus hadriani* Vent. ***

1717 ← BIN (0842), 2000, Latvia, Yurmala, 1987

***Phallus impudicus* L. ***

421 Ukraine, Kyiv, environs, 1969

422 Ukraine, Ternopol region, Berezhany, mixed forest, 1976

982 Ukraine, Kyiv, environs, 1980

984 Ukraine, Kyiv, environs, (2), 1996

990 Ukraine, Kyiv, environs, (4), 1996

1702 ← IFB (188), 2000, Byelorussia, Korenevka, 1997

1732 ← HAI (271), 2000, Israel, Haifa, park, 2000

1733 ← HAI (223), 2000, Israel, Haifa, park, 2000

1967 Ukraine, Khmel'nitska region, mixed forest, 2008

***Phellinus igniarius* (L.) Quél. ***

1578 Ukraine, Kyiv, 1997

1589 Ukraine, Kyiv, Golosievo, 1998

***Phellinus pini* (Brot.) Bondartsev & Singer**

5088 ← BIN (0236), Russia, Primorje

***Phellinus robustus* (P. Karst.) Bourdot & Galzin**

1551 Ukraine, Kyiv region, Teteriv, on *Quercus* sp., 1997

1695 ← IFB (148), 2000, Byelorussia, Korenevka, 1993

1730 ← HAI (250), 2000, Israel, Haifa, park, on *Quercus calliprinos*,
2000

***Phlebia radiata* Fr.**

1566 Ukraine, Kyiv, 1997

***Pholiota adiposa* (Batsch.) P. Kumm. ***

22 Ukraine, Lviv region, Smoze, 1988

85 ← BIN, 1969

86 ← BIN, 1969

***Pholiota aurivella* (Batsch.) P. Kumm. ***

84 ← BIN (0437 str.1), 1969, Russia, Leningrad region, Zelenogorsk,
1963

146 ← BIN (0438 str.2), 1979, Russia, St.-Petersburg, Botanical
garden, 1973

214 Ukraine, Kyiv region, Zavorychi, on *Juglans regia*, 1981

1527 Ukraine, Kyiv, environs, 1997

***Pholiota nameko* (T. Itô.) S. Ito & Imai ***

105 ← VKM (F-2000), 1979 ← MMRI (a)

1976 ← Japan, 2009

2153 ← «Aloha medicinal» (P₃₃), 2011, Nevada, USA

2154 ← «Aloha medicinal» (AM₂ P₂), 2011, Nevada, USA

***Pholiota squarrosa* (Vahl) P. Kumm. ***

2008 ← MSU (3937), 2009, Russia, Moscow region, 2007

2009 ← MSU (3936), 2009, Russia, Moscow region, 2007
2010 ← MSU (3935), 2009, Russia, Moscow region, 2006
5033 ← BIN (0441), Russia, St.-Petersburg, 1969

***Piptoporus betulinus* (Bull.) P. Karst. *** (= *Polyporus betulinus* Bull.: Fr.)

311 ← BIN (0247), 1980, Russia, Leningrad region, 1965
327 Russia, Primorsky Territory, Sichote-Alinsky Reserve, 1980
978 Ukraine, Kyiv, environs (2), 1996
988 Ukraine, Kyiv, environs (5), 1996
989 Ukraine, Kyiv, environs (4), 1996
1554 Ukraine, Kyiv region, Teteriv, 1997
1555 Ukraine, Kyiv region, Teteriv, on *Betula* sp., 1997
1556 Ukraine, Kyiv region, Teteriv, 1997
1647 Ukraine, Kyiv region, Klavdievo (Pb 10), 1999
1648 Ukraine, Kyiv region, Klavdievo (Pb 9), 1999
1649 Ukraine, Kyiv region, Klavdievo (Pb 8), 1999
1650 Ukraine, Kyiv region, Klavdievo (Pb 7), 1999
1651 Ukraine, Kyiv region, Klavdievo (Pb 5), 1999
1652 Ukraine, Kyiv region, Klavdievo (Pb 4), 1999
1653 Ukraine, Kyiv region, Klavdievo (Pb 3), 1999
1654 Ukraine, Kyiv region, Klavdievo (Pb 2), 1999
1934 Ukraine, Kyiv region, 2009
2020 Ukraine, Zitomir region, 2009, on *Betula* sp.

***Pleurotus calyptratus* (Lindblad Fr.) Sacc.**

1890 ← HAI, 2001
1935 ← HAI, 2002

***Pleurotus citrinopileatus* Singer ***

1674 ← HAI (602), 2000
2041 ← «Aloha medicinal», 2010, Nevada, USA
2160 ← «Aloha medicinal» (AM₂ P₅), 2011, Nevada, USA
2161 ← «Aloha medicinal» (404), 2011, Nevada, USA

***Pleurotus columbinus* Quél.**

128 ← BIN (0573), 1980 ← TAA (77-602), 1979
188 ← CCBAS (1), 1981 ← England, Oxford, 1966

***Pleurotus cornucopiae* (Paulet) Rolland ***

- 82 ← Institute of agriculture (str.2-2-1), 1978, Budapest, Hungary
88 ← Institute of forest and melioration, Russia, Sochi (444), 1976
106 ← VKM (F-1979), 1979
187 ← CCBAS (463), 1975, Czech Republic, 1971
1708 ← IFB (206), 2000 ← KPDR (WS 608)
5114 ← CCBAS (465), 1978, Czech Republic, Bohemia

***Pleurotus cystidiosus* O.K. Mill. * (= *Pleurotus abalonus* Y.H. Han, K.M. Chen & S. Cheng)**

- 190 ← CCBAS (55), 1981, USA, Luisiana, 1931
221 ← MS, 1983 ← Feedstuffs Research Institute, Czech Republic ← Taiwan
1725 ← HAI (95), 2000, Israel, Haifa, park, on *Schinus terebinthifolius*, 2000
1726 ← HAI (138), 2000, Israel, Haifa, park, on *Morus alba*, 2000
1728 ← HAI (140), 2000, Israel, Haifa, park, on *Morus alba*, 2000

***Pleurotus djamor* (Rumph.: Fr.) Boedijn * (= *Pleurotus salmoneostramineus* Lj.N. Vassiljeva**

- 1526 USA, Texas, 1997
2159 ← «Aloha medicinal» (AM P₂₀), 2011, Nevada, USA
2162 ← «Aloha medicinal» (P₁₂), 2011, Nevada, USA

***Pleurotus dryinus* (Pers.) P. Kumm. ***

- 197 Ukraine, Kyiv, environs, 1970
1560 Ukraine, Kyiv, Podol, 1997

***Pleurotus eryngii* (DC.) Quél. ***

- 10 Ukraine, Kyiv, environs, 1977
165 Ukraine, Askanija Nova Reserve, 1989
193 ← CCBAS (str. 25), 1981 ← Slovakia, Bratislava, 1972
1504 ← HAI (202), 1997, Israel, on *Ferula*, 1996
1506 ← HAI (203), 1997, Israel, on *Ferula*, 1996
1508 ← HAI (3), 1996, Israel, on *Ferula*, 1996
1509 ← HAI (4), 1996, Israel, on *Ferula*, 1996
1510 ← HAI (5), 1996, Israel, on *Ferula*, 1996

1581 ← HAI (PE 001), 1997, Israel, 1997
1582 ← HAI (PE 002), 1997, Israel, 1997
1583 ← HAI (PE 003), 1997, Israel, 1997
1622 ← HAI (15/1), 1998, Israel, 1997
1623 ← HAI (25/1), 1998, Israel, 1997
1641 ← HAI (4), 1998, Israel, 1997
1642 ← HAI (13), 1998, Israel, 1997
1643 ← HAI (3), 1998, Israel, 1997
1646 ← HAI (2), 1998, Israel, 1997
1863 ← HAI, 2005 (1030), 2005
1972 ← Japan, 2009, (cultivated)
1991 ← Japan, 2009, (cultivated)
2011 ← Germany, 2010, (cultivated)
2012 ← Germany, 2010, (cultivated)
2015 ← USA, 2010, (cultivated)
2031 ← «Aloha medicinal» (KD₂ F₁₁), 2010, Nevada, USA
2032 ← «Aloha medicinal» (P₁₄), 2010, Nevada, USA
2033 ← «Aloha medicinal» (3AM P₄), 2010, Nevada, USA
2127 ← DNU (P-er), 2011, Ukraine, CLM «Ukrmycelium», 1997

***Pleurotus eryngii* var. *ferulae* (Lanzi) Sacc.**

2040 ← «Aloha medicinal» (VDE₁ f₃), 2010, Nevada, USA

***Pleurotus nebrodensis* (Inzenga) Quel.**

1855 ← HAI, (1028), 2005
1927 ← HAI, (1020), 2006
1947 ← HAI, (1023), 2006
2035 ← «Aloha medicinal» (CS₁ P₇), 2010, Nevada, USA

***Pleurotus ostreatus* (Jacq.) P. Kumm. ***

69 Byelorussia, Gomel, environs, 1980
89 ← CCBAS (477), 1987 ← Research Institute of LIKO (78),
Bratislava, Slovakia
90 Ukraine, Kyiv, environs (IMBF-1300), 1969
91 Ukraine, Kyiv, environs, 1968
92 Ukraine, Kyiv, Golosievski Forest, 1968

- 93 ← Institute of forest and melioration, Russia, Sochi, (467), 1976
 ← Germany
- 94 ← BIN (467), 1968, Russia, St.-Petersburg, environs
- 98 ← MS (1014), 1979, Czech Republic, Prague, 1972
- 102 Ukraine, Zhytomir region, 1977
- 107 ← BIN (VKMF-1659), 1979
- 108 ← VKM (VKMF-1997), 1996 ← MMRI
- 109 ← VKM (VKMF-2008), 1976
- 110 Ukraine, Zakarpatski region, 1979
- 123 ← Institute of Forestry, 1978, Russia, Petrozavodsk
- 132 Ukraine, Zakarpatski region, Pereczin district, on *Fagus sylvicola*,
 1975
- 133 ← HNHM, 1970
- 134 ← IFB, 1978, Byelorussia, Gomel
- 161 ← Institute of agriculture (7-7-1), Budapest, Hungary, 1978
- 162 ← Institute of agriculture (7-2-1), Budapest, Hungary, 1978
- 163 ← Institute of forest and melioration, Russia, Sochi (37), 1980,
 isolated 1977
- 164 ← Institute of agriculture (7-1-6), Budapest, Hungary, 1978
- 169 Ukraine, Kyiv, Botanical garden, 1968
- 170 Ukraine, Kyiv, environs, 1968
- 171 Ukraine, Kyiv region, Irpin, 1976
- 172 Ukraine, Kyiv, environs, 1979
- 180 Ukraine, Kyiv, environs, 1980
- 183 ← IFB (44), 1986 ← Czech Republic
- 191 ← CCBAS (78), 1981, Czech Republic, 1973
- 192 ← CCBAS (472), 1981, Czech republic, Bohemia, 1959
- 198 Ukraine, Kyiv, Golosievski Forest, 1980
- 202 ← CCBAS (473), 1981, Czech Republic, Bohemia, 1960
- 236 ← CCBAS (475), 1983 ← Research Institute of LIKO (36),
 Bratislava, Slovakia, 1971
- 237 ← CCBAS (474), 1983 ← Institute of agriculture, Plovdiv,
 Bulgaria, 1965
- 239 ← CCBAS (476), 1983 ← Research Institute of LIKO (27),
 Bratislava, Slovakia, 1971
- 295 Ukraine, Kyiv, 1992

- 297 Russia, Krasnoyarsk, 1991
299 ← IFB (6675), 1985
300 ← IFB (2525), 1990
525 ← KPDR (P-1), 1992
526 ← DNU (P-1), 1992
527 ← CCBAS (P-1), 1983
528 Ukraine, Kyiv, environs, on *Populus*, 1984
529 ← Hungary, 1984,
530 ← Hungary (H-7), 1984
531 Hungary, Borota, on *Populus* sp., 1984
532 Ukraine, Kyiv, on *Populus* sp., 1987
533 Uzbekistan, Tashkent region, 1990
534 Ukraine, Kyiv, on *Robinia pseudoacacia*, 1991
535 Ukraine, Kyiv, environs, 1991
536 ← Institute of forest (7), 1991, Lviv, Ukraine
538 Turkmenistan, Ashgabat, environs, 1991
539 Ukraine, Simferopil, environs, 1991
540 Ukraine, Kyiv, environs, on *Populus* sp., 1991
541 Ukraine, Lviv, environs, 1999
542 Ukraine, Crimea, 1991
543 Ukraine, Crimea, 1991
544 ← State farm «Zarechje» (Zommer), Russia, Moscow, 1992
545 Ukraine, Ivano-Frankovsk, 1992
546 ← Academy of agriculture (K-22), Poznan, Poland, 1993
547 ← Academy of agriculture (S-5), Poznan, Poland, 1993,
548 Ukraine, Donetsk, on *Populus* sp., 1993
549 ← AMG (P-24), 1995
550 ← AMG (P-20), 1995
551 ← AMG (HK-35), 1995
552 Ukraine, Kyiv, environs, 1996
553 ← Northwest Mycological Consultants Inc., (CS-27), Oregon,
USA, 1994
554 ← IMV NAS of Ukraine (470), 1996
555 ← IMV NAS of Ukraine (4-6), 1996
556 Ukraine, Kyiv, on parquet, 1996
557 ← IMV NAS of Ukraine (262), 1996

- 558 ← IMV NAS of Ukraine, 1996
559 ← IMV NAS of Ukraine (2-6), 1996
560 ← IMV NAS of Ukraine (3-8), 1996
561 ← AMG (107), 1998
562 ← AMG (108), 1999
563 ← IFB (273), 1978
564 ← CCBAS (Somycel 3004), 1989
565 Ukraine, Ternopil region, Kremenec, on *Juglus regia*, 1983
566 ← Institute of agriculture (Plo-5), Budapest, Hungary, 1978
567 ← Institute of agriculture (7-5-5), Budapest, Hungary, 1978
568 ← Institute of agriculture (7-7-5), Budapest, Hungary, 1978
569 ← Institute of Botany (B-9), Ashgabat, Turkmenistan, 1998
570 ← Institute of Botany (B-10), Ashgabat, Turkmenistan, 1998
571 ← Institute of Botany (B-19), Ashgabat, Turkmenistan, 1998
572 Ukraine, Lviv, environs, on *Pinus*, 1998
573 ← AMG, 1999
574 ← MSU, 2000
575 Ukraine, Zhytomir region, *Robinia pseudoacacia*, 1976
576 Ukraine, Kyiv, on *Populus* sp., 1976
577 Ukraine, Lviv region, on *Fagus* sp., 1981
578 ← Institute of forest and melioration (0-1), Russia, Sochi, 1980,
579 ← Institute of forest and melioration, (0-3), Russia, Sochi, 1980
580 Ukraine, Kyiv, on *Fagus* sp., 1981
581 ← IFB (31-76), 1981
582 ← IFB (37-77), 1981
583 ← IFB (38-77), 1981
584 Ukraine, Lviv region, on *Fagus* sp., 1981
585 Ukraine, Lviv region, on *Populus tremula*, 1981
926 ← HAI, 1995
935 ← IFB (99), 1995 ← Institute of forest, Pecin, China
936 ← IFB (100), 1995 ← Institute of forest, Pecin, China
1006 ← State farm «Zarechje» (D-103), Moscow, Russia, 1987
1007 ← State farm «Zarechje» (D-112), Moscow, Russia, 1987
1010 ← Institute of microbiology (KM-1), Kishinev, Moldova, 1989
1011 ← Agricultural Institute (Kodru-62), Kishinev, Moldova, 1989
1012 ← Agricultural Institute (Kodru-33), Kishinev, Moldova, 1989

1013 ← Institute of microbiology (KD-2), Kishinev, Moldova, 1989
1016 ← DNU (D-112), 1987
1017 ← DNU (D-103), 1987
1018 Ukraine, Kyiv, environs, 1989
1019 ← State farm «Zarechje» (334), Moscow, Russia, 1989
1515 ← HAI (20), 1996
1535 USA, Texas, San Antonio, environs, TX-2, 1997
1543 USA, Texas, San Antonio, environs, TX-3, 1997
1663 Ukraine, Mykolaiv, environs, 1997
1665 Ukraine, Mykolaiv, environs, 1997
1684 USA, Texas, San Antonio, environs, TX-4, 1997
1685 USA, Texas, San Antonio, environs, TX-5, 1997
1688 Ukraine, Kyiv, 2000
1721 Ukraine, Kyiv, 2000
1854 ← HAI (1022), 2005
1865 ← HAI, 2005, Ukraine, Karpatski National Park, 2004
1940 ← Moldova (CN MNFB-04), 2008
1943 Ukraine, Kyiv, environs, 2008
1993 Ukraine, Kyiv (cultivated)
2044 Ukraine, Kyiv, 2010
2151 Ukraine, Donetsk, 2003
5011 ← Bulgaria (11), 1981
5069 Ukraine, Kyiv, environs, 1987
5315 ← BIN (0553), 1978
5332 ← State farm «Zarechje» (23), Moscow, Russia, 1988, (cultivated)
5333 ← State farm «Zarechje», Moscow, Russia, 1988, (cultivated)

Pleurotus ostreatus* var. *florida

89 ← CCBAS (477), 1987 ← Research Institute of LIKO (78),
Bratislava, Slovakia

***Pleurotus pulmonarius* (Fr.) Quél. ***

111 ← VKM (F-2006), 1979 ← Caucasus, Russia, (105), 1976
194 ← CCBAS (478), 1981 ← MS (69), 1974, Moravia, Komora, 1972
230 ← VKM (F-2007), 1979 ← Caucasus (183), 1976
1856 ← HAI (1024), 2005
2036 ← «Aloha medicinal» (P₁₇), 2010, Nevada, USA

2037 ← «Aloha medicinal» (P₃), 2010, Nevada, USA
2145 ← «Aloha medicinal» (Phoenix P₃), 2011, Nevada, USA

***Pleurotus salignus* (Fr.) Kumm. s. Romagn.**

181 Russia, Altay Territory, Altay Reserve, Yaylou, on *Betula* sp., 1980
182 Russia, Altay Territory, Altay Reserve, Chemosh cordon, on
Betula sp., 1980

***Polyporus brumalis* (Pers.) Fr.**

2019 ← BIN, 2011

***Polyporus squamosus* (Huds.) Fr. ***

309 Ukraine, Kyiv, Feofania, deciduous forest, 1971
981 Ukraine, Kyiv, environs (2), 1996
1758 ← HAI (242), 2001, Israel, Tel-Aviv, 1966
1825 Ukraine, Kyiv, Park KPI, on the stump of *Populus* sp., (Ps 3),
2003
1830 ← DNU (P.s. KW), 2001
1832 Ukraine, Kyiv, Prospect Pobedu, on *Acer negundo* (Ps 1), 2003
1840 ← BIN (Le IBIN 0753), 2001
1947 Ukraine, Kyiv, park, 2009
1977 Ukraine, Kyiv, Siretshki park, 2009
1978 Ukraine, Kyiv, Siretshki park, 2009

***Polyporus tuberaster* (Jacq. Pers.) Fr.**

1893 ← Czech Republic, 2009

***Postia caesia* (Schrad.) P. Karst. (= *Tyromyces caesius* (Schrad.)
Murrill.)**

1604 Ukraine, Kyiv, 1997

***Postia ceriflua* (Berk. & M.A. Curtis) Jülich (= *Tyromyces revolutus*
(Bres.) Bondartsev & Singer)**

1025 ← DNU (A-025), 1995, Ukraine, Donetsk, environs, 1992

***Psilocybe cubensis* (Earle) Singer * (= *Stropharia cubensis* Earle)**

949 ← BIN (0634), 1996 ← CCBAS (448), USA, 1983
994 Ukraine, Kyiv, environs, 1997

***Psilocybe cyanescens* Wakef.**

925 ← CCBAS (490), 1995, Czech Republic, Bohemia, near Sazova,
1971

***Psilocybe semilanceata* (Fr.) P. Kumm. ***

229 ← CCBAS (492), 1984, Czech Republic, Moravia, near Opava,
1969

924 ← CCBAS (492), 1995, Czech Republic, Moravia, near Opava,
1969

***Rhodocollybia maculate* (Alb. & Schwein.) Singer**

1987← MSU (3938), 2009, Russia, Moscow region, Zvenigorod,
2007

***Schizophyllum commune* Fr.: Fr. ***

96 ← BIN, 1970, Russia, Leningrad region

97 ← VKM (F-715), 1969 ← Senezh Laboratory of Wood Preservation,
Russia, Teberda, environs

335 Ukraine, Lviv region, Smoze, 1988

441 Ukraine, Lviv region, Smoze, 1988

1590 Ukraine, Kyiv, 1997

1713 ← IFB, 2000 ← BIN (0514)

759 Ukraine, Kyiv, Darnitza, 2001

1760 Ukraine, Kyiv region, Fastov, Pivni, 2001

1761 Ukraine, Zakarpatsky region, Lubni, on *Fagus* sp. (3), 2001

1762 Ukraine, Zakarpatsky region, Lubni, on *Fagus* sp.(4), 2001

1763 Ukraine, Zakarpatsky region, Lubni, on *Fagus* sp.(5), 2001

1764 Ukraine, Zakarpatsky region, Lubni, on *Fagus* sp.(7), 2001

1765 Ukraine, Kyiv, Rusanivski Gardens (8), 2001

1766 Ukraine, Zakarpatsky region, Lubni, on *Fagus* sp. (9), 2001

1767 Ukraine, Zakarpatsky region, Lubni, on *Fagus* sp. (10), 2001

1768 Ukraine, Kyiv, Darnitza, on *Pinus* sp.(11), 2001

1769 Ukraine, Kyiv, Darnitza, on *Pinus* sp.(12), 2001

1770 Ukraine, Kyiv, Park KPI, on *Populus* sp.(13), 2001

1806 Ukraine, Kyiv, Darnitza (14), 2002

1861 ← HAI (1035), 2005

2131 ← DNU (S.c.-10), 2011, Ukraine, Donetsk, 2010

- 2132 ← DNU (S.c.- 201), 2011, Ukraine, National natural park
«Svjati gory», 2001
2146 ← «Aloha medicinal» (P₁₂), 2011, Nevada, USA
5009 ← BIN (0460), 1981

***Sparassis crispa* (Wulfen) Fr. ***

- 304 ← FIE (71a IPL), 1966
312 ← CCBAS (607 str.2), 1967, Czech Republic, Bohemia, 1964
314 ← CCBAS (606 str.1), 1969, Czech Republic, Bohemia, 1959
2004 ← MSU, 2009, Russia, Moscow region, 2007

***Spongipellis litschaueri* Lohwag**

- 5312 ← Lviv Agricultural Academy (66), 1977, Lviv, Ukraine

***Stereum gausapatum* (Fr.) Fr. ***

- 1601 Ukraine, Kyiv, 1997

***Stereum hirsutum* (Willd.) Pers. ***

- 1586 Ukraine, Chernigiv region, 1997
1596 Ukraine, Kyiv, 1997
1597 Ukraine, Kyiv, 1997
1598 Ukraine, Kyiv, 1997

***Stropharia rugosoannulata* Farl. ex Murrill ***

- 140 ← CCBAS (502), 1980, Germany, Bautzen, 1970
142 ← CCBAS (503), 1980, Czech Republic, Moravia, 1978
258 Russia, Primorsky Territory, Sichote-Alinsky Reserve, 1980
296 ← Institute of mushroom growing, Krefeld, Germany, 1992
500 ← Institute of mushroom growing, Krefeld, Germany, 1995
753 ← Company «Pilzbrut Dieskau» (T-53), Germany, 1995
754 ← Company «Pilzbrut Dieskau» (T-54), Germany, 1995
756 ← Company «Pilzbrut Dieskau» (T-56), Germany, 1995
772 ← Company «Pilzbrut Dieskau» (T-72), Germany, 1995
2149 ← «Aloha medicinal», 2011, Nevada, USA
2150 ← «Aloha medicinal» (VGA 4), 2011, Nevada, USA
2152 ← «Aloha medicinal» (SEZ P_{4,1}), 2011, Nevada, USA

***Trametes gibbosa* (Pers.) Fr. *** (= *Daedalea gibbosa* Pers.)

1520 Ukraine, Kyiv region, Vishgorod, 2008

1937 Ukraine, Kyiv region, 2009

Trametes hirsuta* (Wulfen) Lloyd (= *Coriolus hirsutus* (Wulfen) Pat.)

338 ← BIN (069), 1986 Russia, Ryazan region, 1960

358 ← BIN (074), 1986, Russia, Gorky region, on *Tilia* sp., 1965

359 ← Institute of genetic (113), 1987, Czech Republic, 1962

1568 Ukraine, Kyiv, 1997

1569 Ukraine, Chernigiv region, Jaroslavka, 1997

1983 Ukraine, Kyiv region, Juriivka, 2009

5018 ← BIN (2-S), 1981

5019 ← BIN (3-S), 1981

5137 ← BIN (B-22), 1981

***Trametes maxima* (Mont.) A. David & Rajchenb.** (= *Cerrena maxima* (Fr.) Ryvarden)

1002 ← BIN (0681), 1987 ← Institute of Botany, Havana, Cuba, 1981

***Trametes pubescens* (Schumach.) Pilát *** (= *Tyromyces pubescens* (Alb.: Schw.) Donk.)

322 ← BIN (VKMF-115), 1979, Russia, Leningrad region

1699 ← IFB (154), 1993, Byelorussia, Minsk, 2000

***Trametes serialis* (Fr.) Fr.**

1698 ← IFB (153), 2000, Byelorussia, 1993

***Trametes suaveolens* (L.) Fr. ***

1524 Ukraine, Kyiv, 1997

1697 ← IFB (152), 1993

5024 ← BIN (0266), 1996, Russia, Leningrad region, on *Alnus* sp., 1971

***Trametes trogii* Berk.** (= *Funalia trogii* (Berk.) Bondartsev & Singer)

337 ← BIN (0148), 1987, Russia, Gorky region, 1965

1521 Ukraine, Kyiv region, Vishgorod, 1997

5097 ← BIN (0148), 1981, Russia, Gorky region, on *Populus tremula*,
1965

5337 Ukraine, 1992

***Trametes versicolor* (L.: Fr.) Quél.** * (= *Coriolus versicolor* (L.) Quél.)

- 319 ← BIN (), 1979, Russia, Leningrad region
353 ← BIN (8-S, 090), 1971, Russia, Gorky region, 1961
1571 Ukraine, Chernigiv region, Jaroslavka, 1997
1689 ← IFB (124), 2000, Byelorussia, Korneevka, 1992
2142 ← «Aloha medicinal» (VDE₁ P₃), 2011, Nevada, USA
2143 ← «Aloha medicinal» (441 P₃₀₋₈), 2011, Nevada, USA
2144 Ukraine, Kyiv, 2011
5094 ← BIN (084), 1981
5095 ← BIN (080), 1981
5129 ← BIN (087), 1981
5131 ← BIN (089), 1981
5299 ← Lviv Agricultural Academy (31-65), 1984, Lviv, Ukraine

***Trametes zonatus* (Nees) Quél.** (= *Coriolus ochracea* (Pers.) Gilb. & Ryvarden)

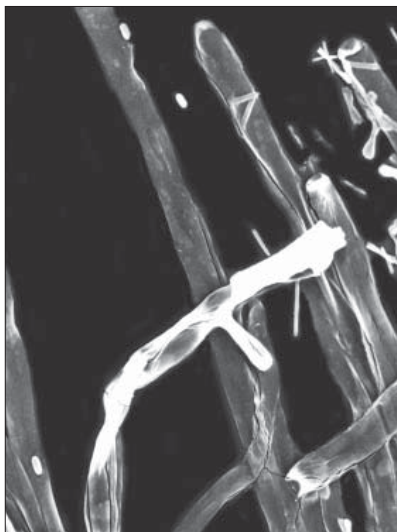
- 301 ← Estonian Research Institute of Agriculture (NN), 1967, Tallinn, Estonia
1525 Ukraine, Kyiv, 1997
1561 Ukraine, Kyiv, on *Populus* sp., 1997
1570 Ukraine, Chernigiv region, Jaroslavka, on *Betula* sp., 1997
5021 ← BIN (098), 1981
5022 ← BIN (099), 1981
5134 ← BIN (095), 1981
5135 ← BIN (094), 1981, Russia, Ryazan region, on *Betula* sp., 1960
5300 ← Lviv Agricultural Academy (1-82), 1984, Lviv, Ukraine
5301 ← Lviv Agricultural Academy (7-81), 1984, Lviv, Ukraine
5302 ← Lviv Agricultural Academy (12-S), 1984, Lviv, Ukraine
5303 ← Lviv Agricultural Academy (10-S), 1984, Lviv, Ukraine

***Volvariella bombinata* (Schaeff.) Singer**

- 2165 Ukraine, Kyiv, on the stamp of *Populus* sp., 2011

Ілюстрації

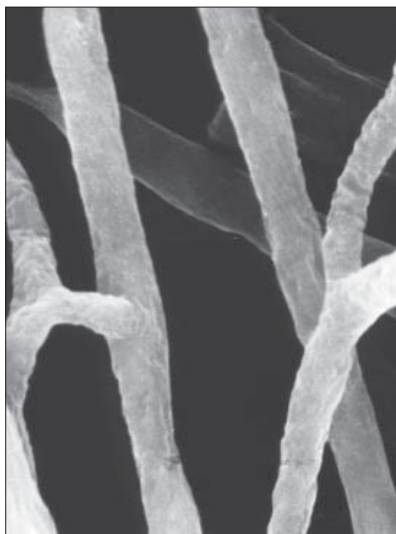
Illustrations



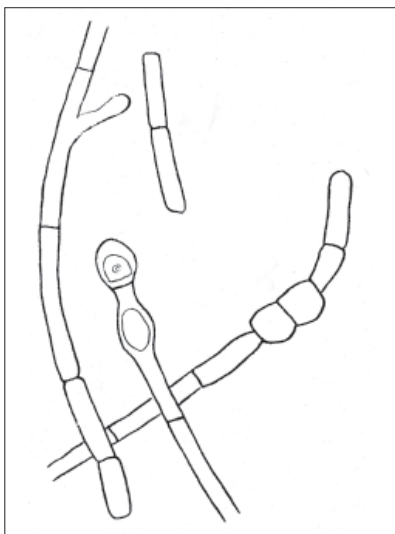
Agaricus abruptibulbus



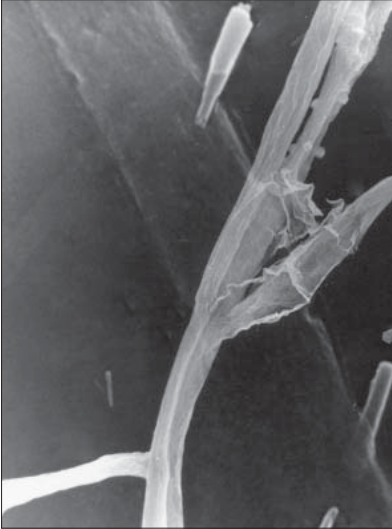
Agaricus arvensis



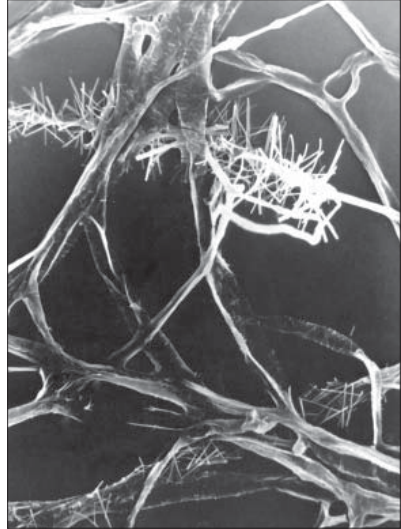
Agaricus arvensis



Agaricus arvensis



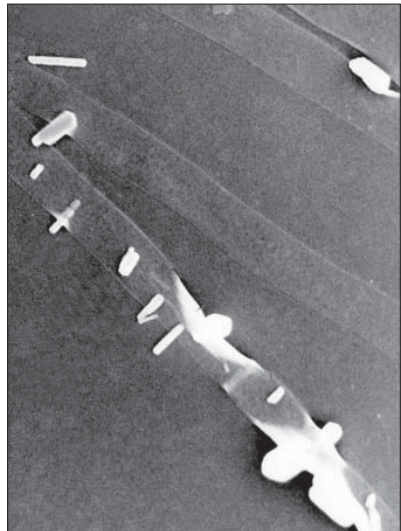
Agaricus arvensis



Agaricus bisporus



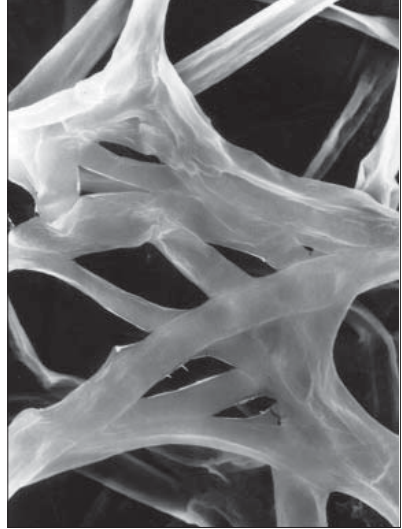
Agaricus bisporus



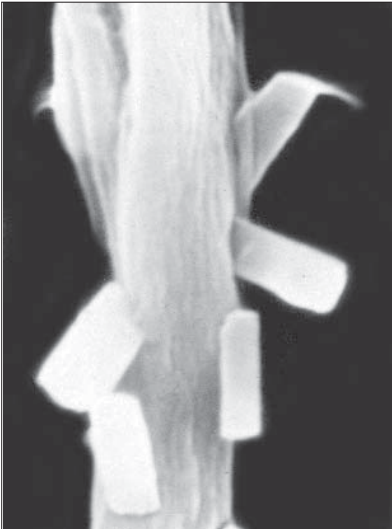
Agaricus bisporus



Agaricus brasiliensis



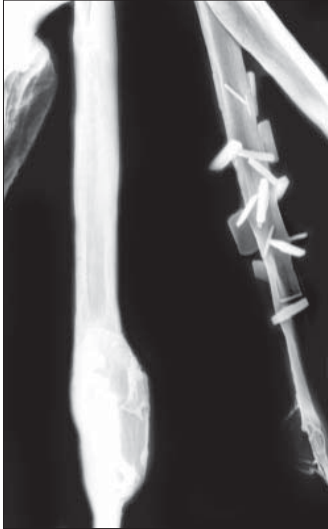
Agaricus brasiliensis



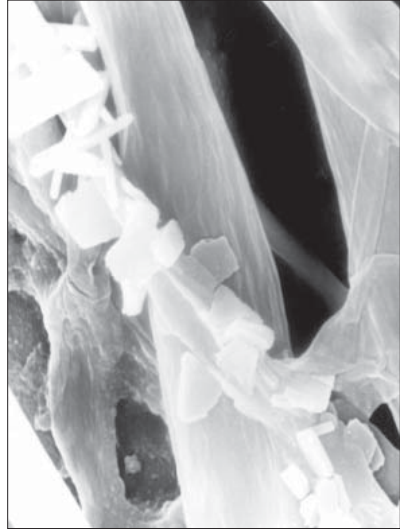
Agaricus brasiliensis



Agaricus brasiliensis



Agaricus bresadolianus



Agaricus bresadolianus



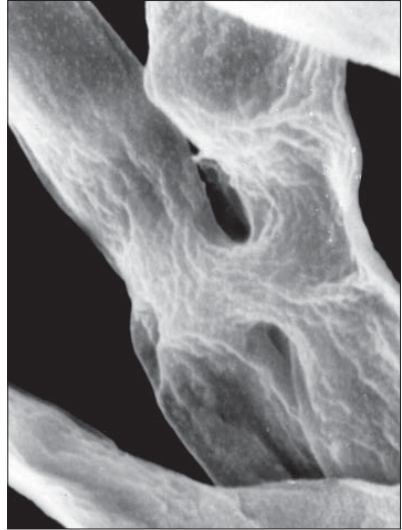
Agaricus bresadolianus



Agaricus campestris



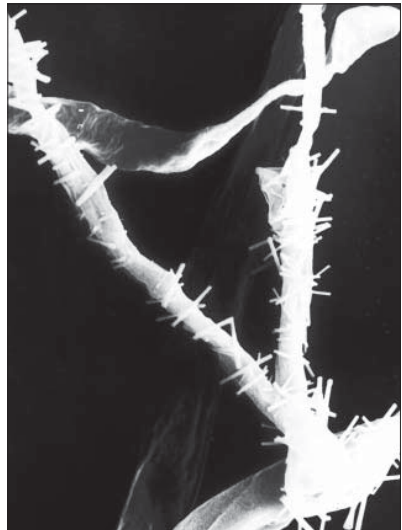
Agaricus gennadii



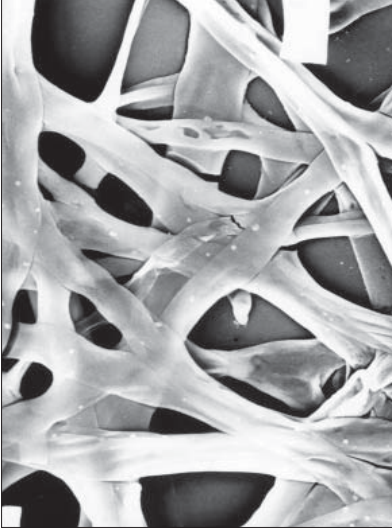
Agaricus gennadii



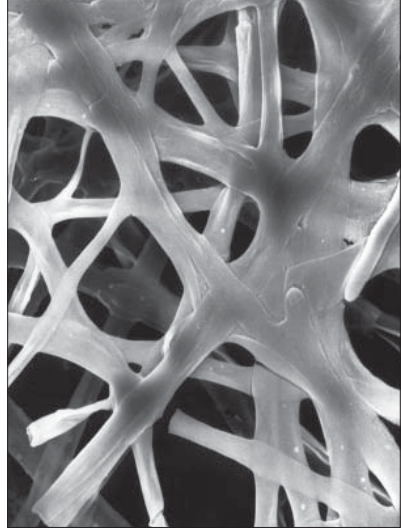
Agaricus gennadii



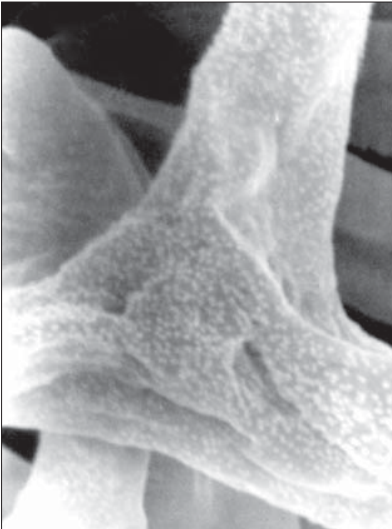
Agaricus gennadii



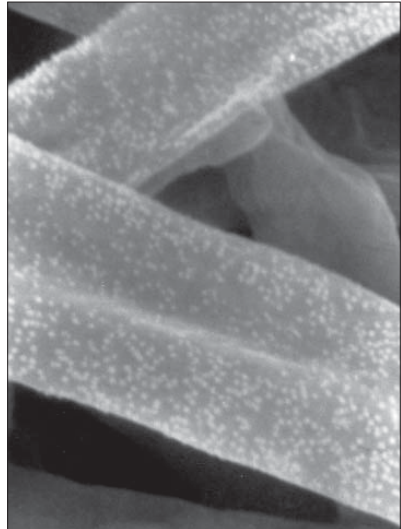
Agaricus nevoi



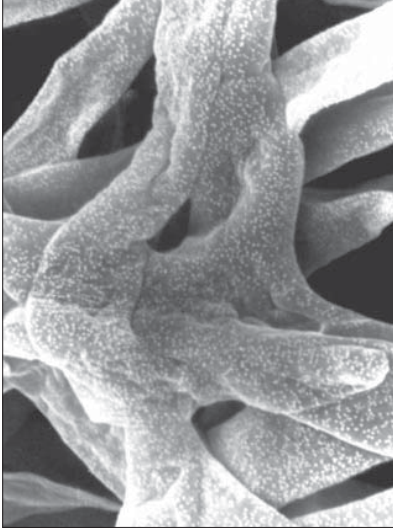
Agaricus nevoi



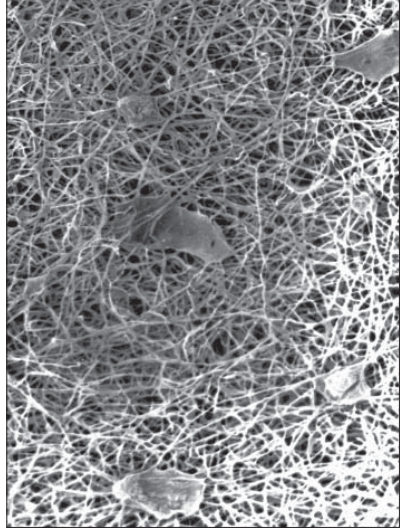
Agaricus pequinii



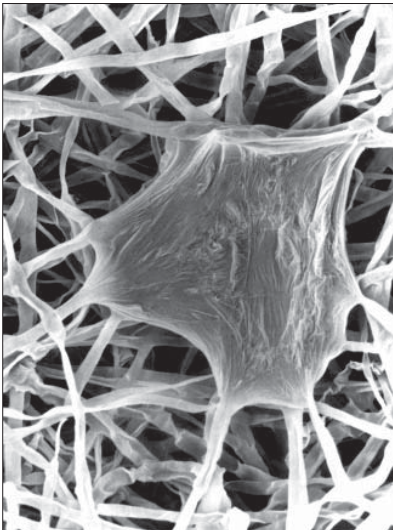
Agaricus pequinii



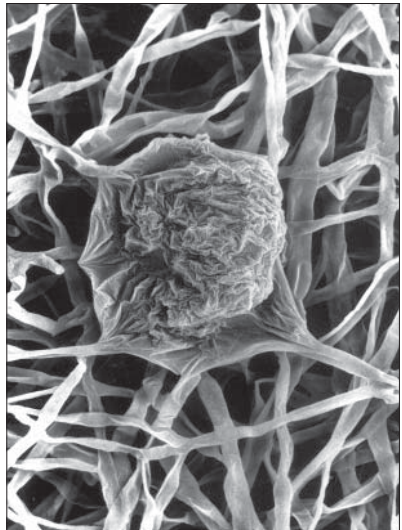
Agaricus pequinii



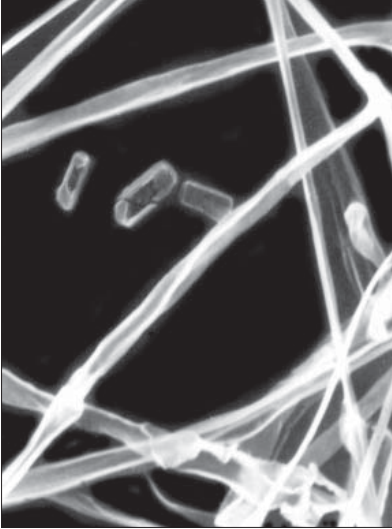
Agaricus pequinii



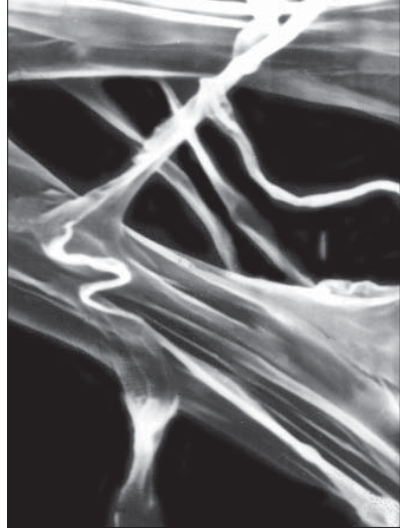
Agaricus pequinii



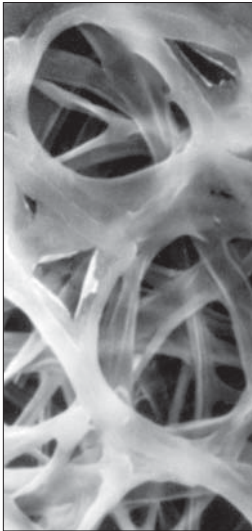
Agaricus pequinii



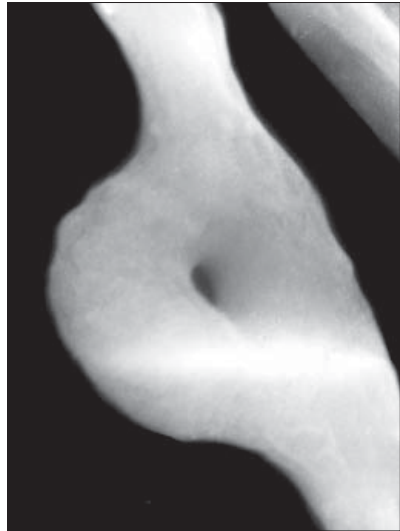
Agroclybe aegerita



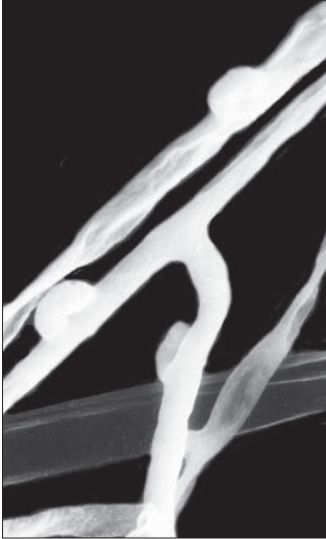
Agroclybe aegerita



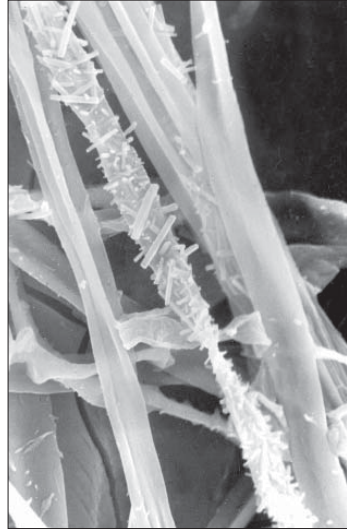
Agroclybe aegerita



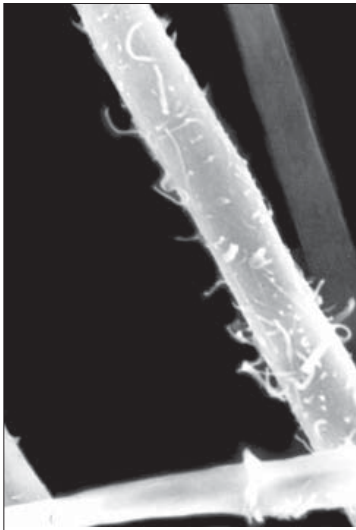
Anthurus arsheri



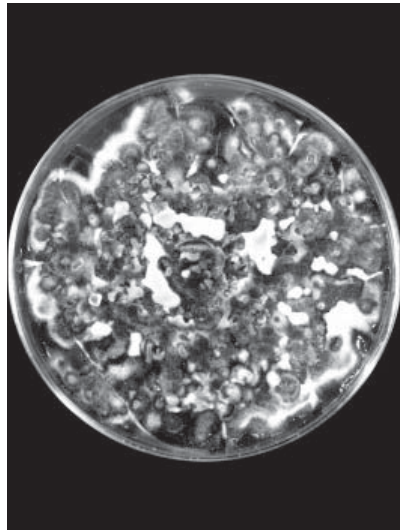
Anthurus arsheri



Armillariella mellea



Armillariella mellea



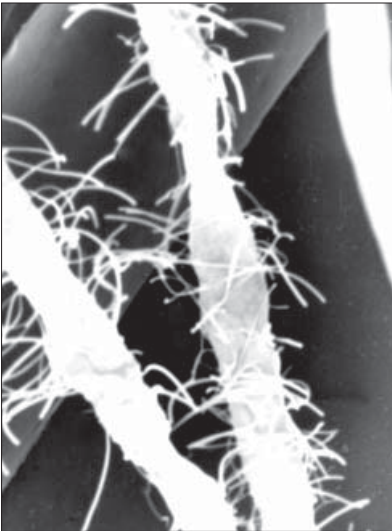
Armillariella mellea



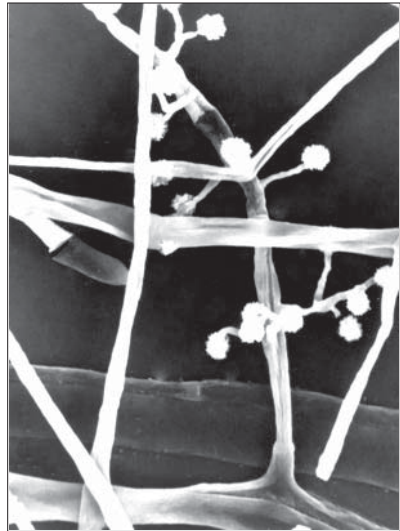
Coprinus comatus



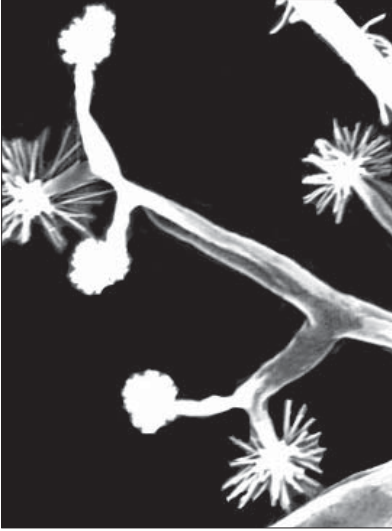
Coprinus comatus



Coprinus comatus



Coprinus comatus



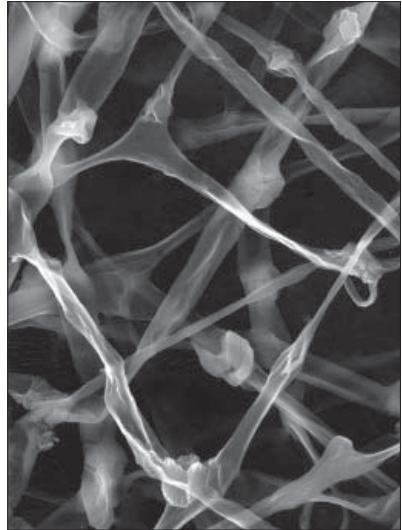
Coprinus comatus



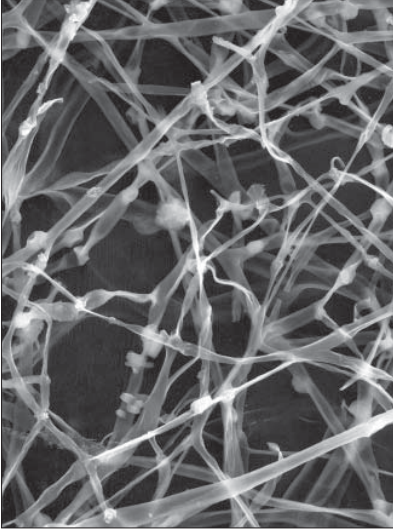
Coprinus comatus



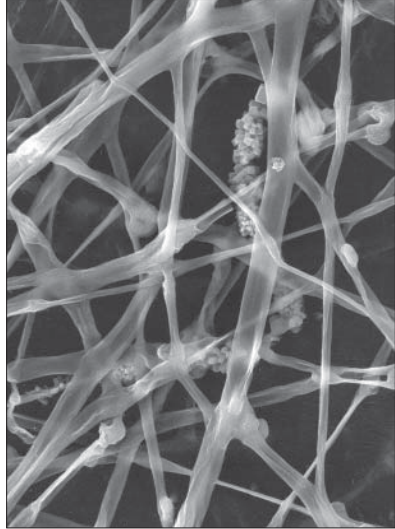
Trametes hirsutus



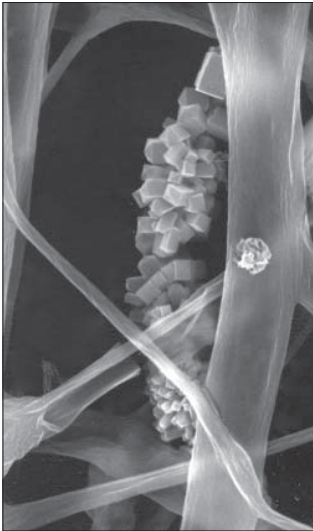
Trametes hirsutus



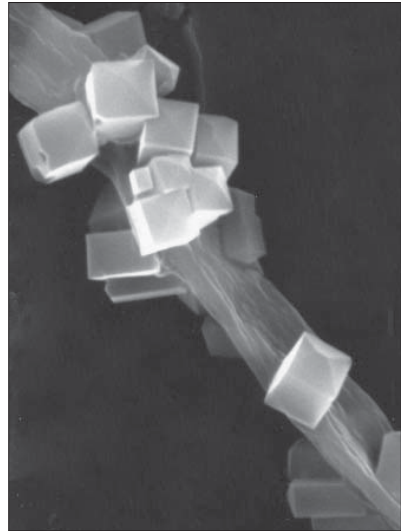
Trametes hirsutus



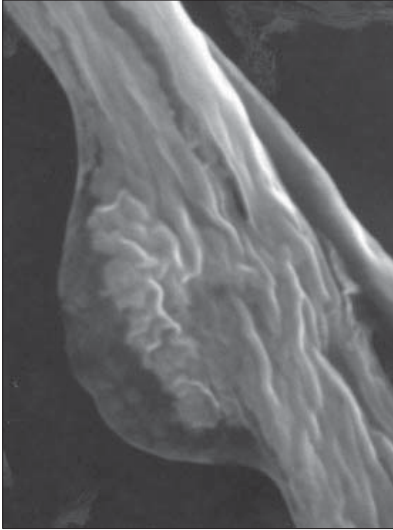
Trametes versicolor



Trametes versicolor



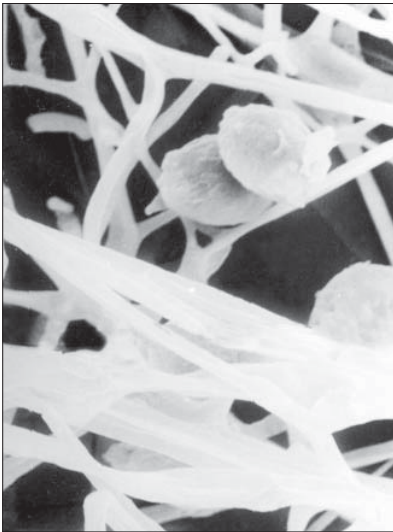
Trametes versicolor



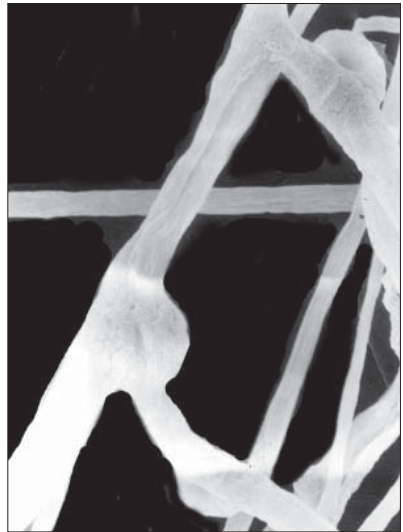
Trametes versicolor



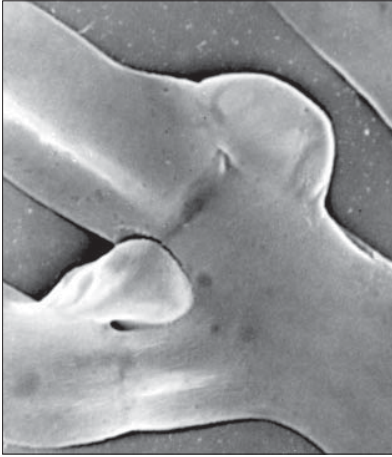
Trametes zonatus



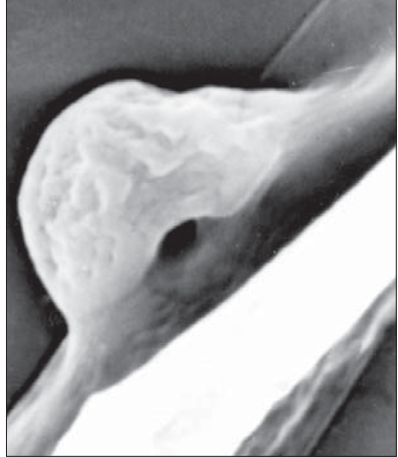
Trametes zonatus



Crinipellis shevczenkoi



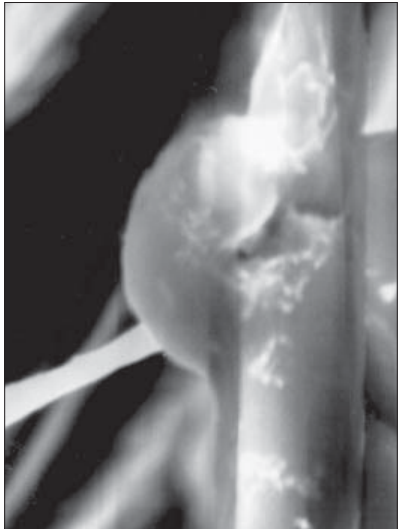
Cyathus olla



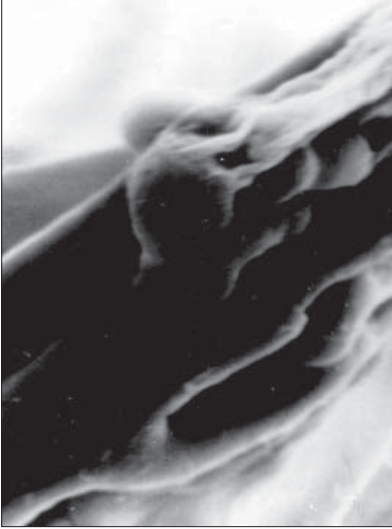
Cyathus olla



Cyathus olla



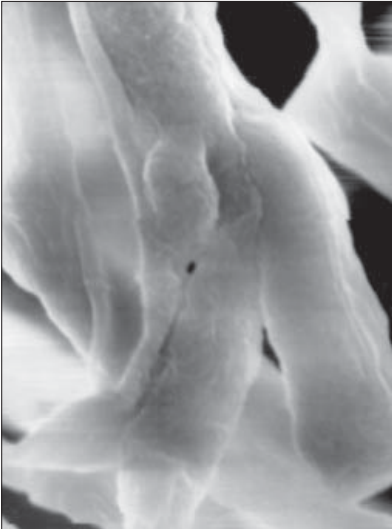
Cyathus striatus



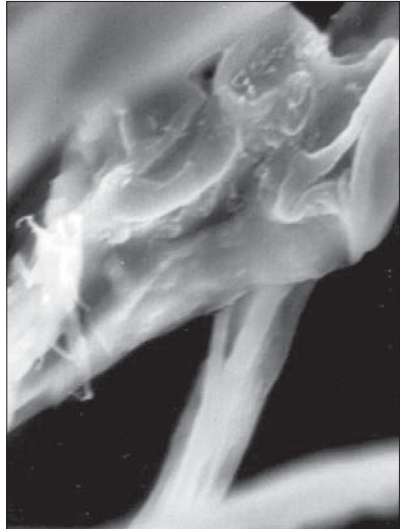
Cyathus striatus



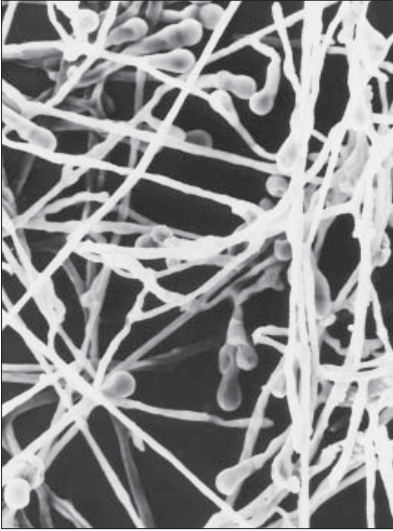
Cyathus striatus



Cyathus striatus



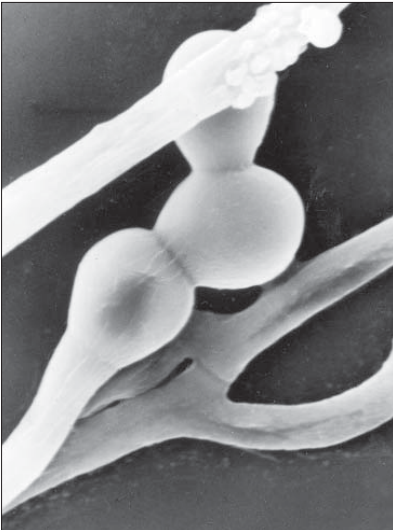
Cyathus striatus



Fistulina hepatica



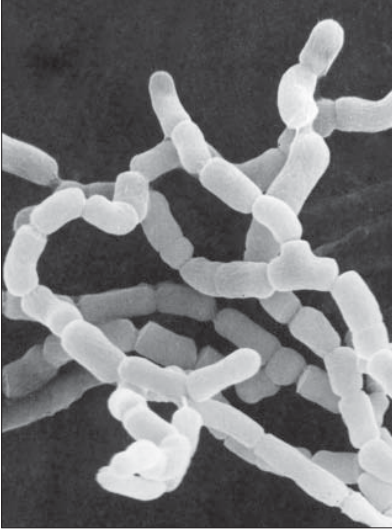
Fistulina hepatica



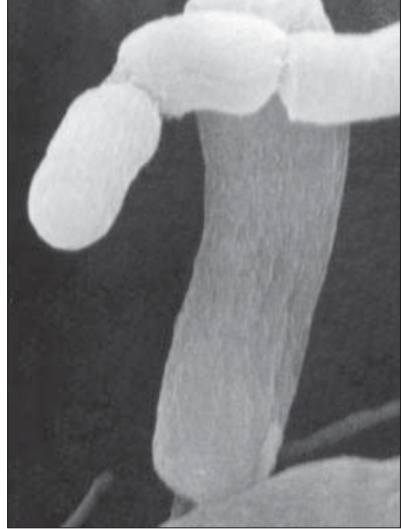
Fistulina hepatica



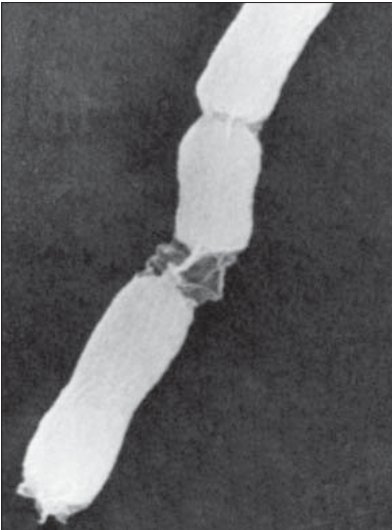
Fistulina hepatica



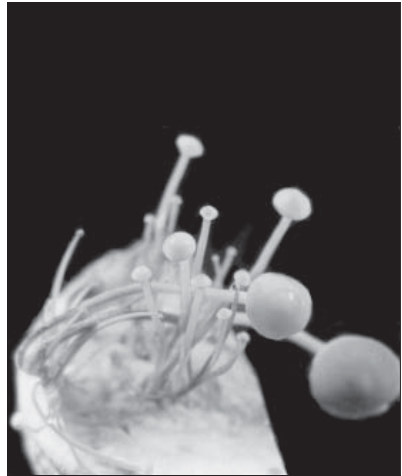
Flammulina velutipes



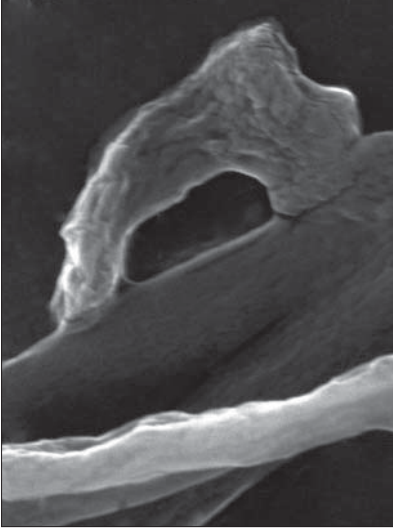
Flammulina velutipes



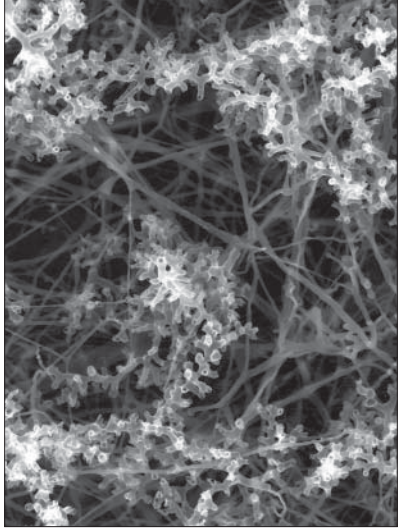
Flammulina velutipes



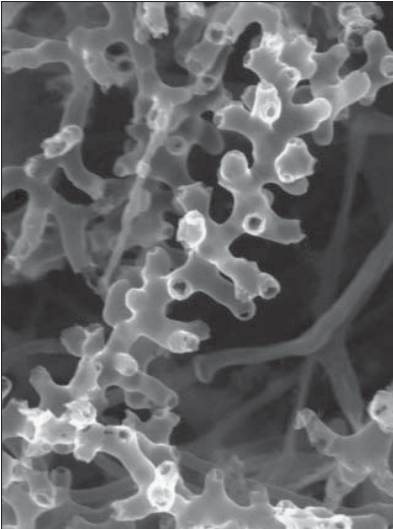
Flammulina velutipes



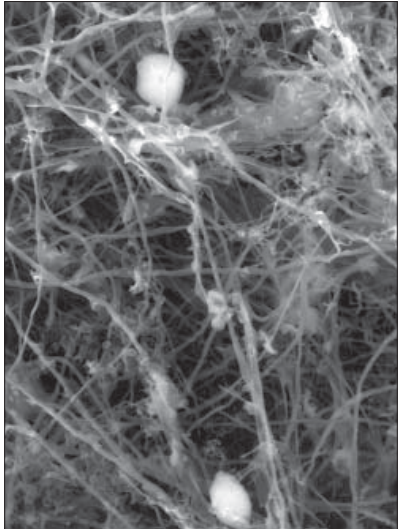
Ganoderma lucidum



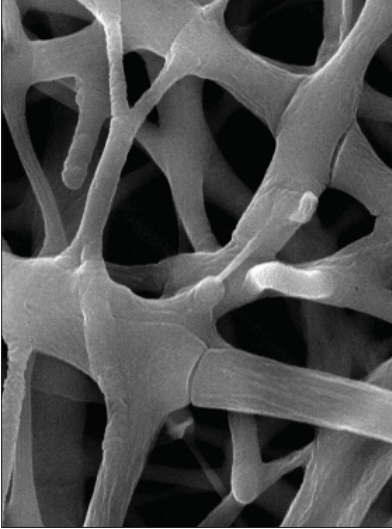
Ganoderma lucidum



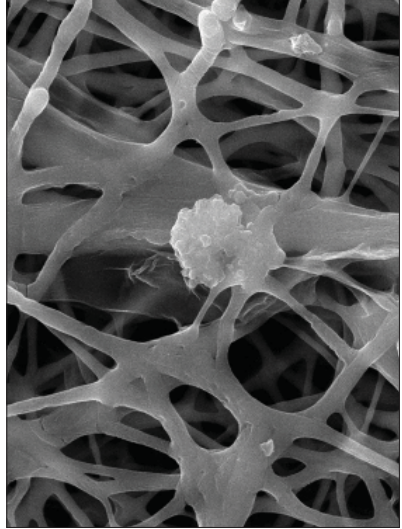
Ganoderma lucidum



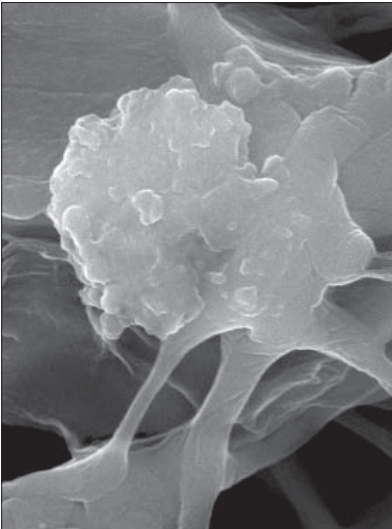
Ganoderma lucidum



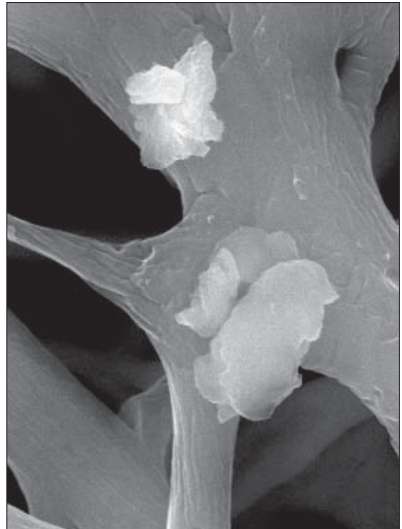
Ganoderma tsugae



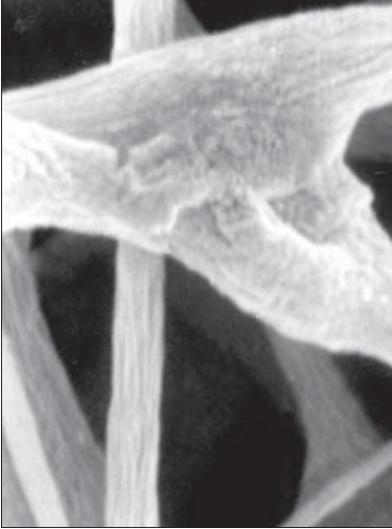
Ganoderma tsugae



Ganoderma tsugae



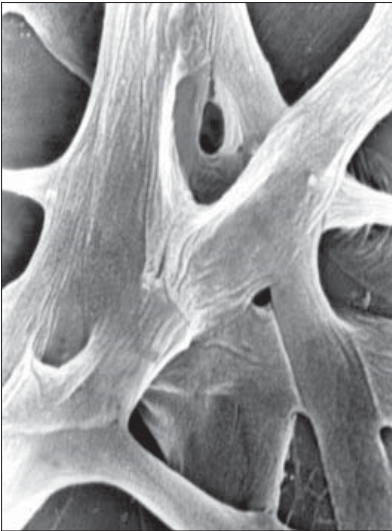
Ganoderma tsugae



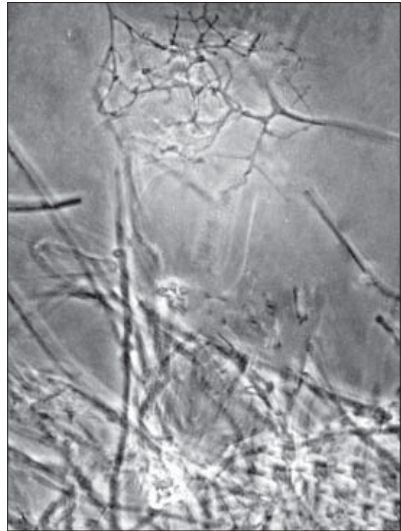
Grifola frondosa



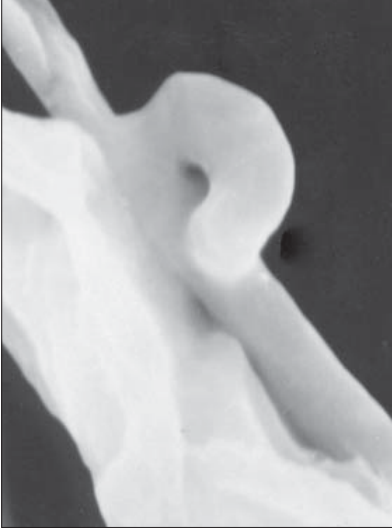
Grifola frondosa



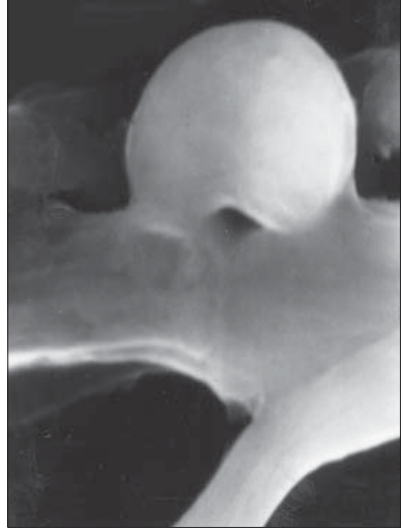
Grifola frondosa



Grifola frondosa



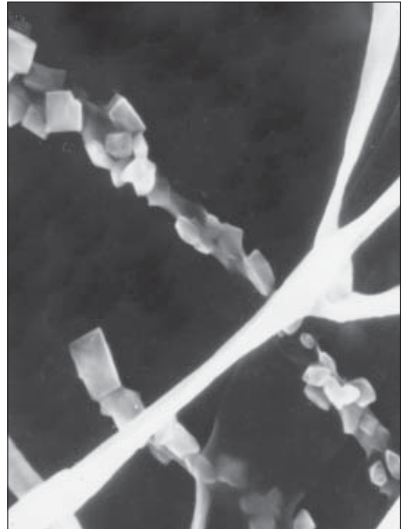
Hericium erinaceus



Hericium erinaceus



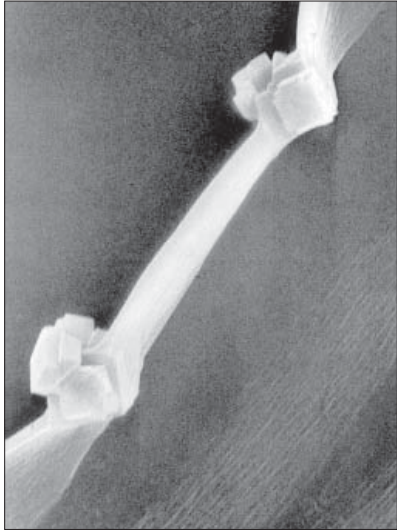
Hericium erinaceus



Hericium erinaceus



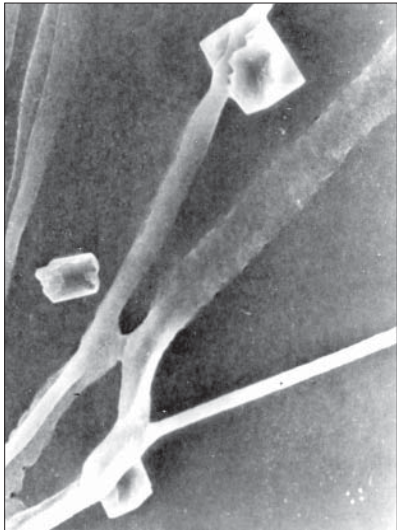
Hypsizygus marmoreus



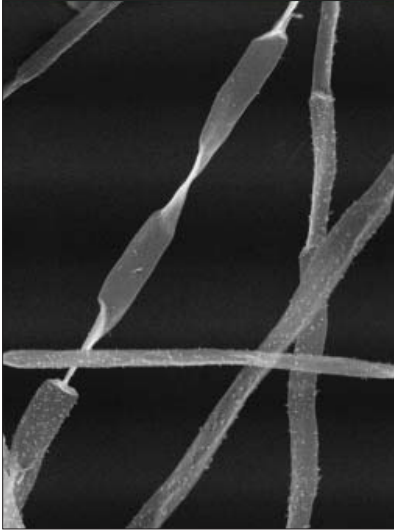
Hypsizygus marmoreus



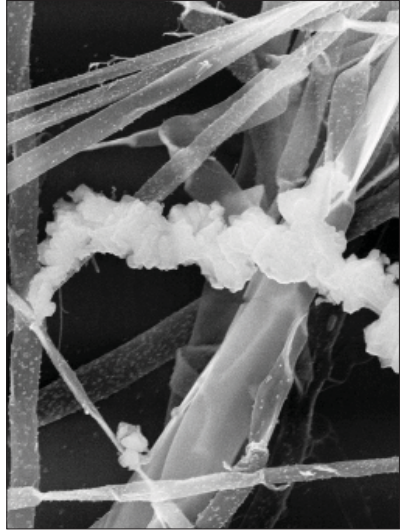
Hypsizygus marmoreus



Hypsizygus marmoreus



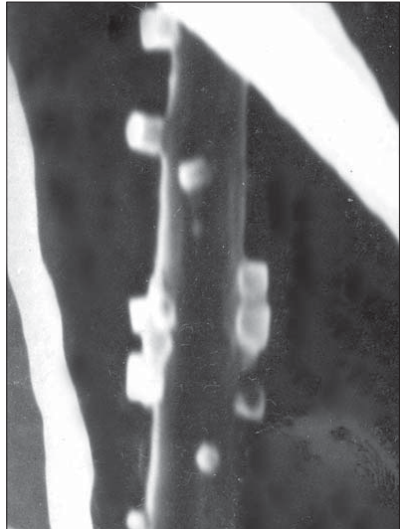
Inonotus obliquus



Inonotus obliquus



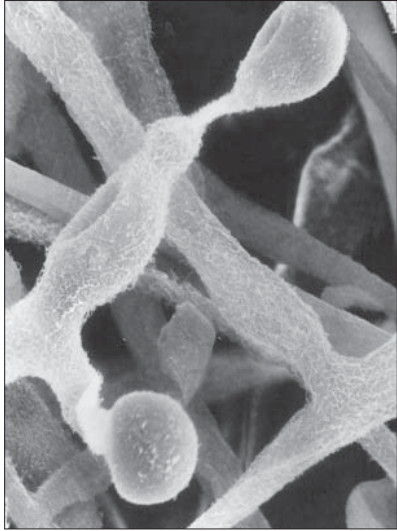
Kuehneromyces mutabilis



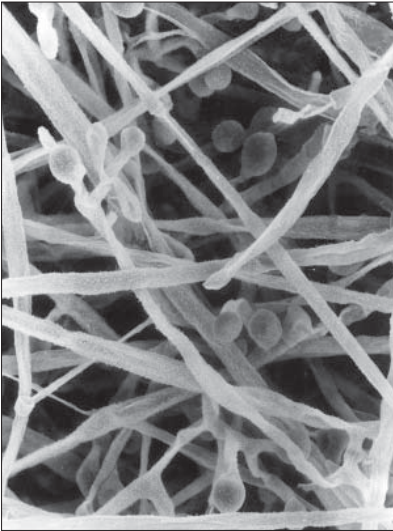
Kuehneromyces mutabilis



Laetiporus sulphureus



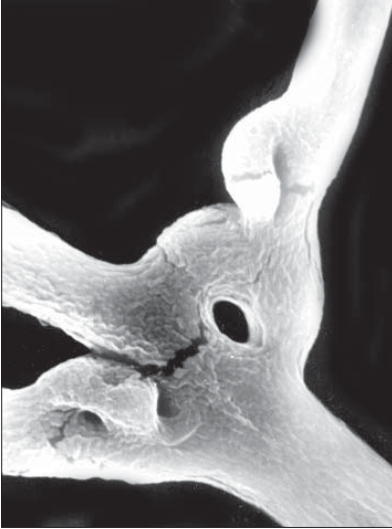
Laetiporus sulphureus



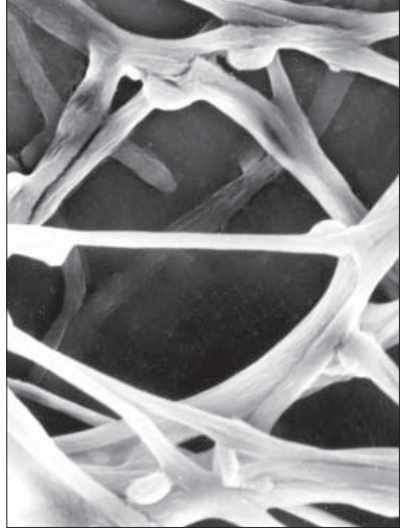
Laetiporus sulphureus



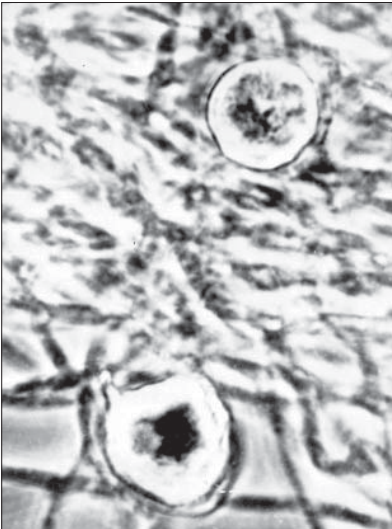
Laetiporus sulphureus



Lentinus edodes



Lentinus edodes



Lentinus edodes



Lentinus edodes



Leucoagaricus carneifolius



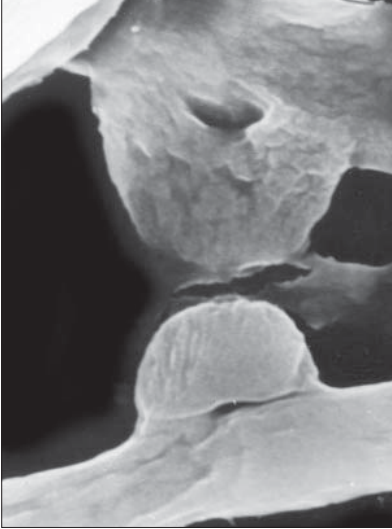
Leucoagaricus leucothites



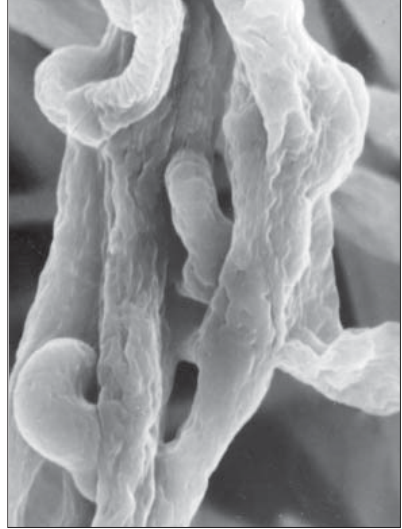
Leucoagaricus leucothites



Leucoagaricus wichanskyi



Hypsizygos ulmarius



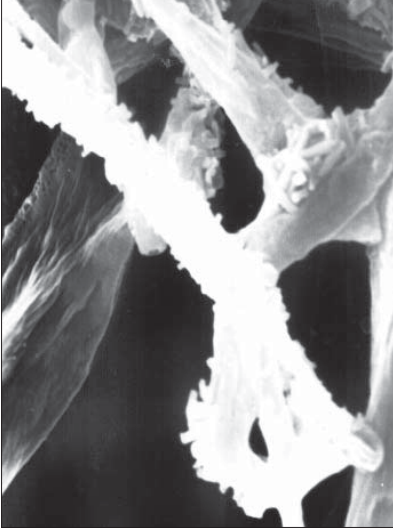
Hypsizygos ulmarius



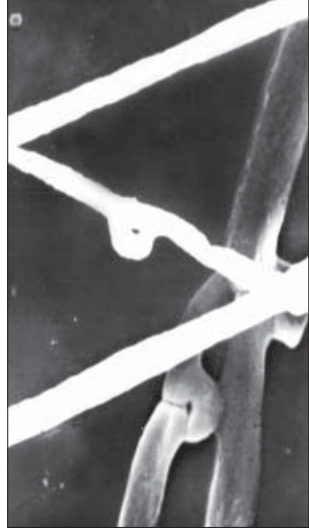
Hypsizygos ulmarius



Hypsizygos ulmarius



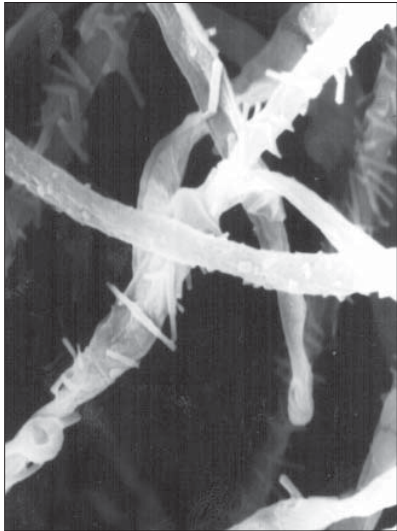
Macrolepiota procera



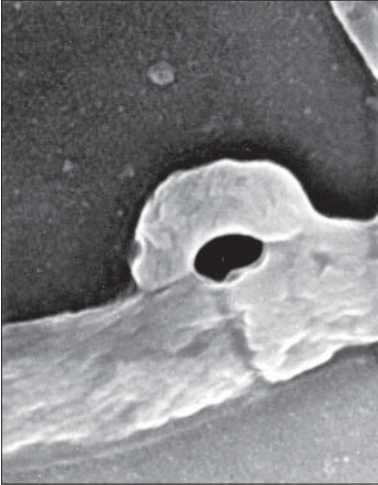
Macrolepiota procera



Macrolepiota procera



Macrolepiota procera



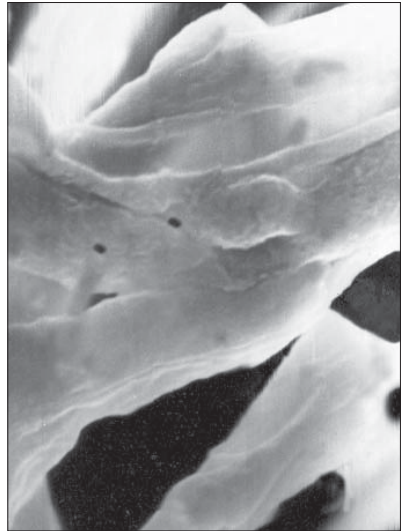
Marasmius oreades



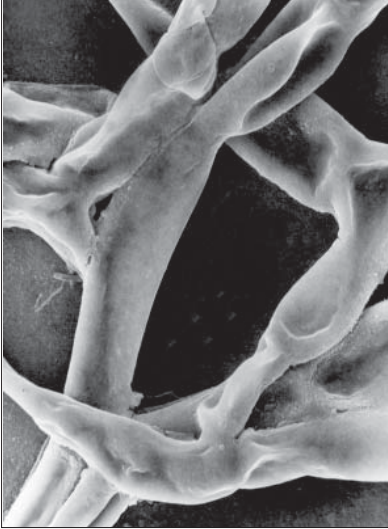
Marasmius oreades



Marasmius scorodonius



Marasmius scorodonius



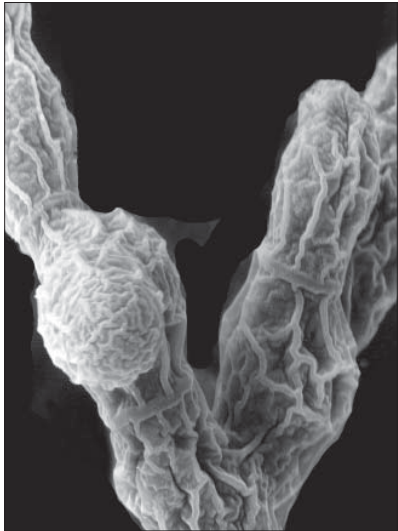
Morchella angusticeps



Morchella angusticeps



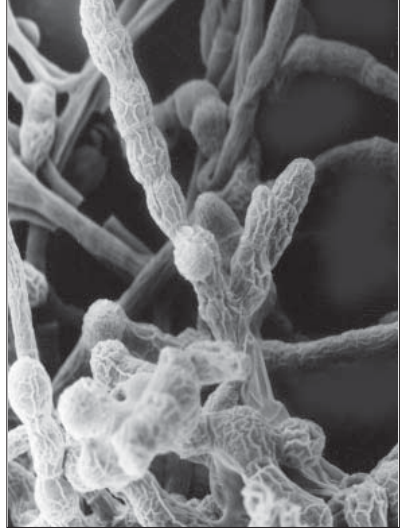
Morchella conica



Morchella conica



Morchella conica



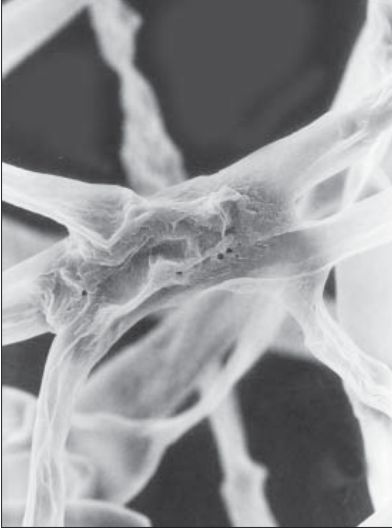
Morchella conica



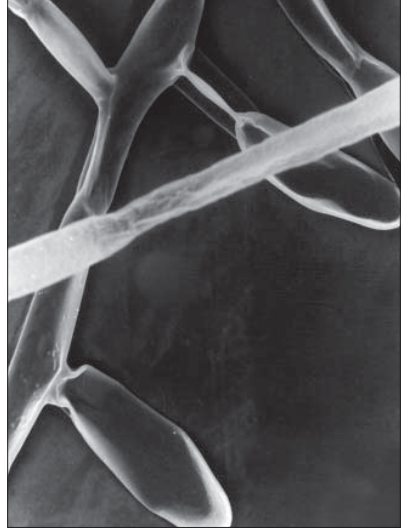
Morchella conica



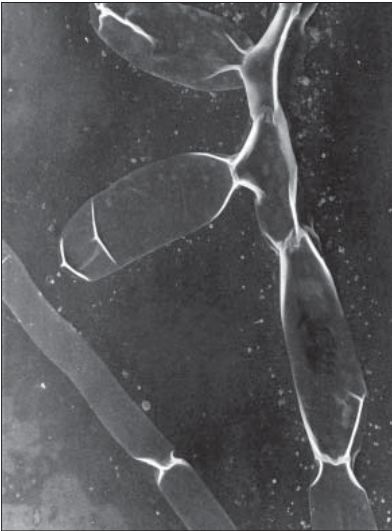
Morchella crassipes



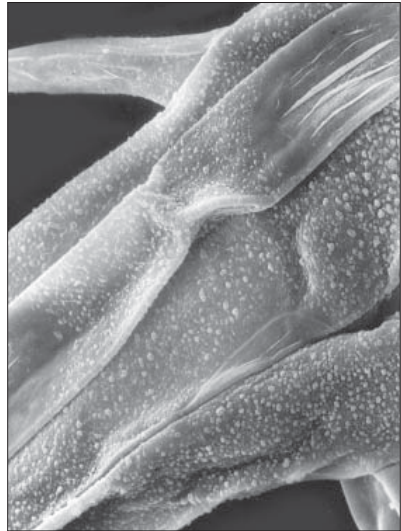
Morchella crassipes



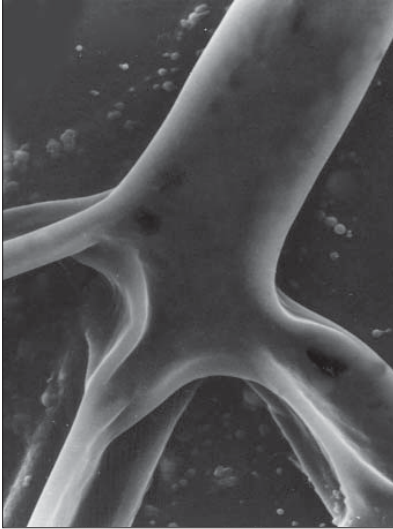
Morchella esculenta



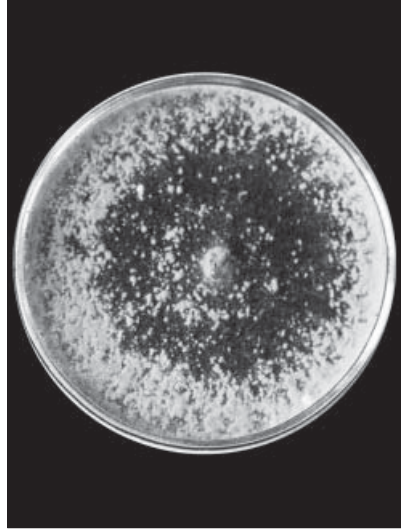
Morchella esculenta



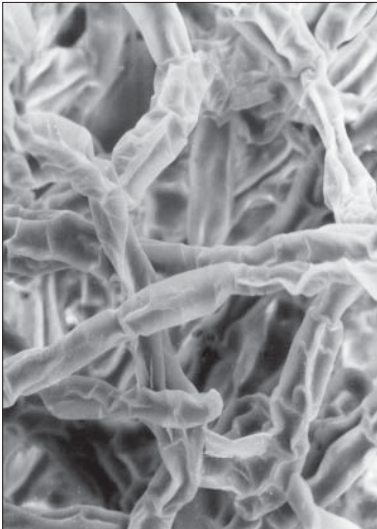
Morchella esculenta



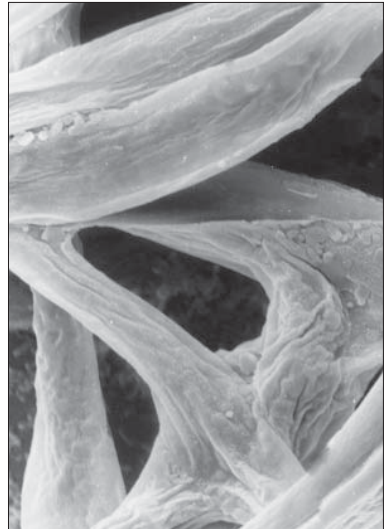
Morchella esculenta



Morchella esculenta



Morchella semilibera



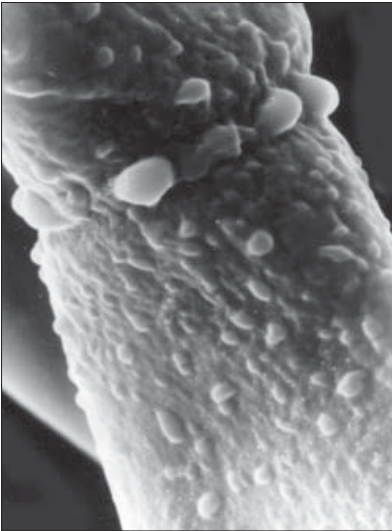
Morchella semilibera



Morchella semilibera



Morchella spongiosa



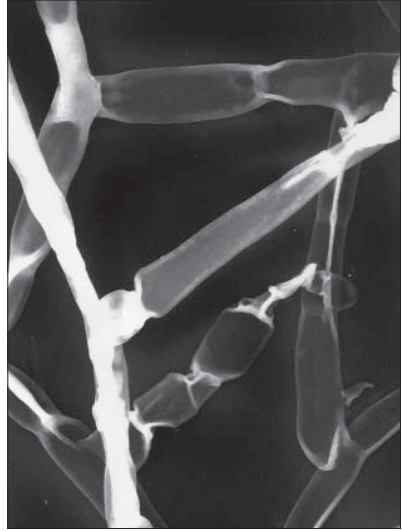
Morchella spongiosa



Morchella spongiosa



Morchella spongiola



Morchella steppicola



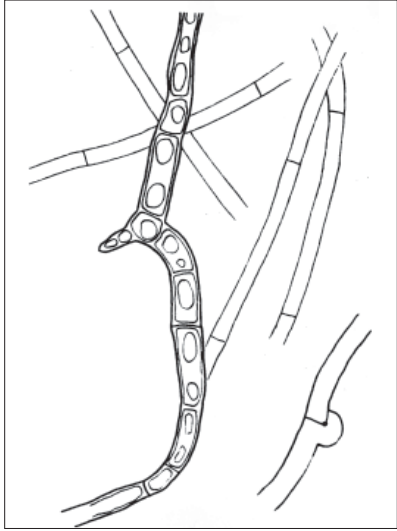
Morchella steppicola



Morchella steppicola



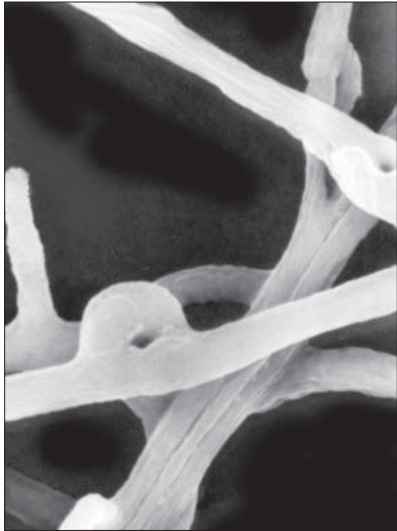
Oudemansiella mucida



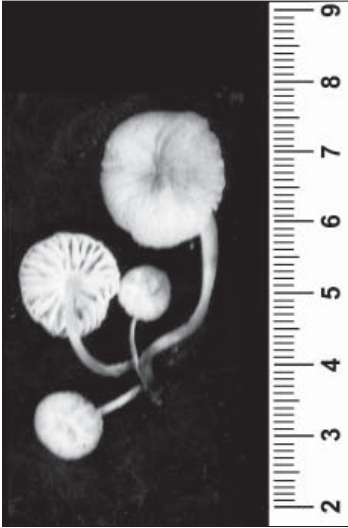
Oudemansiella mucida



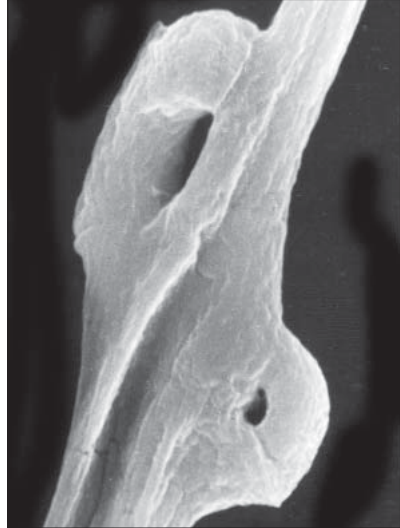
Oudemansiella mucida



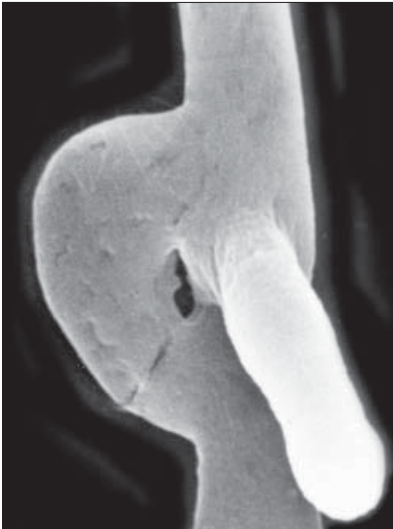
Oudemansiella radicata



Oudemansiella radicata



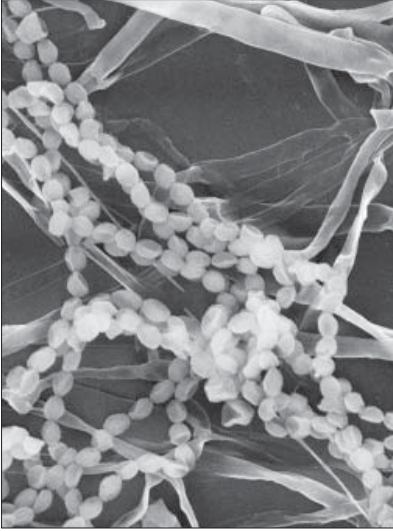
Lentinus tigrinus



Lentinus tigrinus



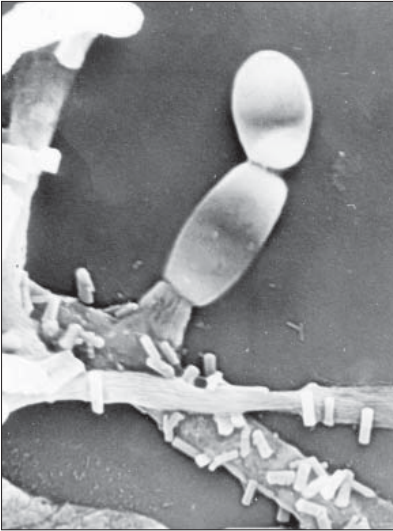
Lentinus tigrinus



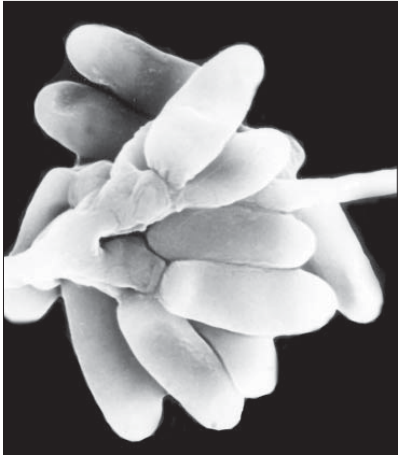
Phellinus igniarius



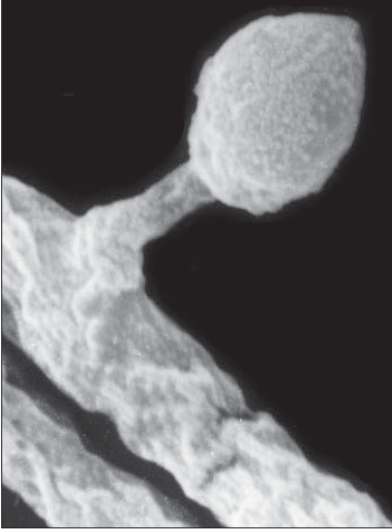
Pholiota adiposa



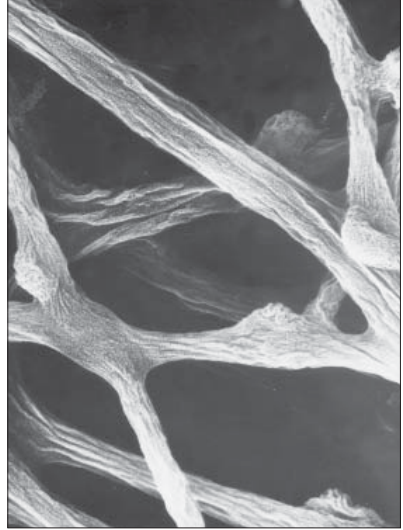
Pholiota adiposa



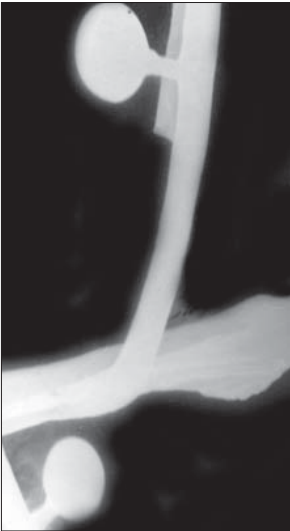
Pholiota adiposa



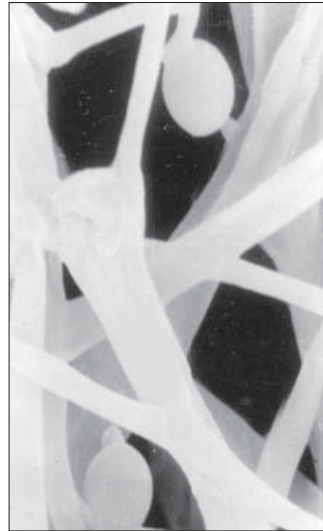
Pleurotus calyptratus



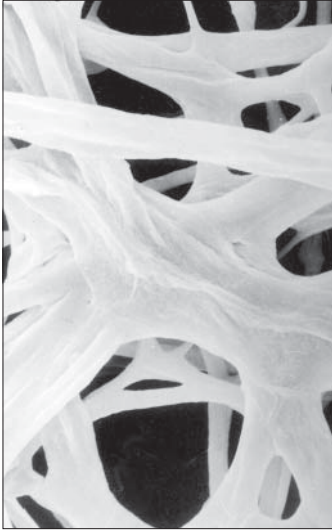
Pleurotus calyptratus



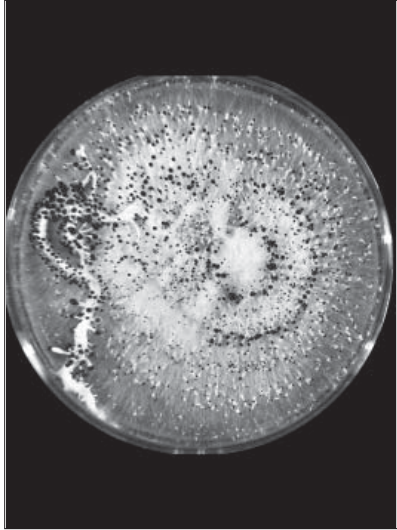
Pleurotus citrinopileatus



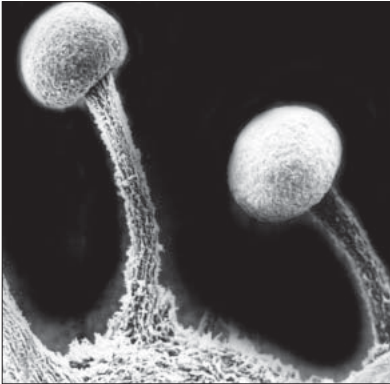
Pleurotus citrinopileatus



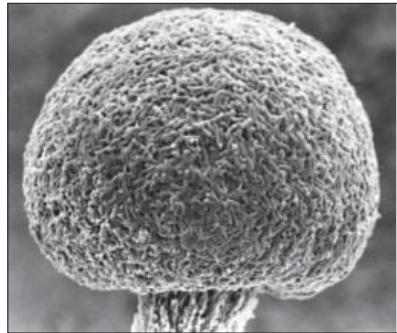
Pleurotus citrinopileatus



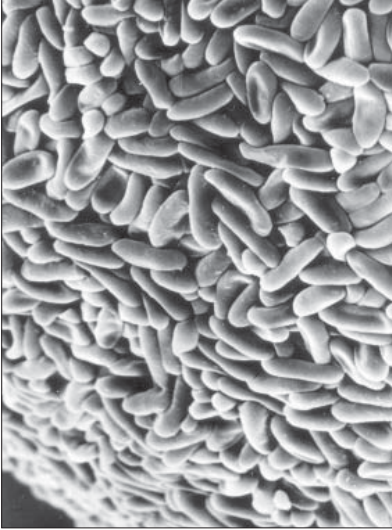
Pleurotus cystidiosus



Pleurotus cystidiosus



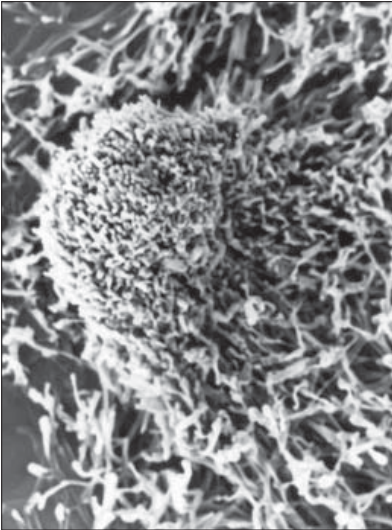
Pleurotus cystidiosus



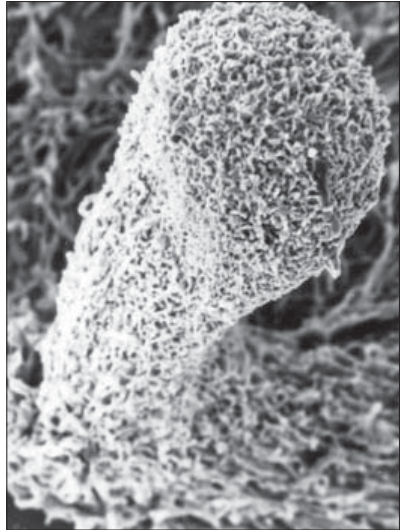
Pleurotus cystidiosus



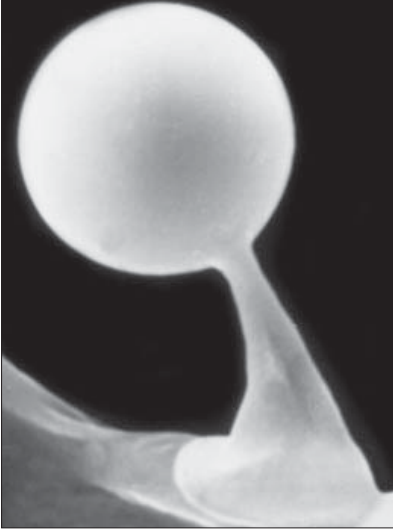
Pleurotus cystidiosus



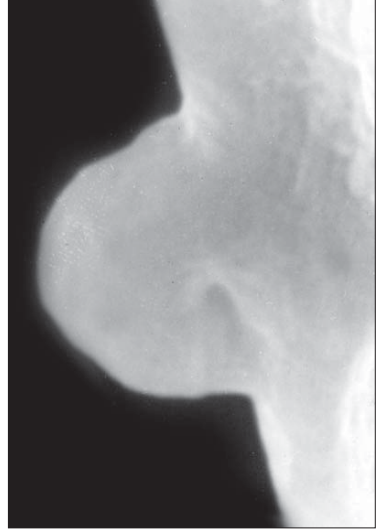
Pleurotus cystidiosus



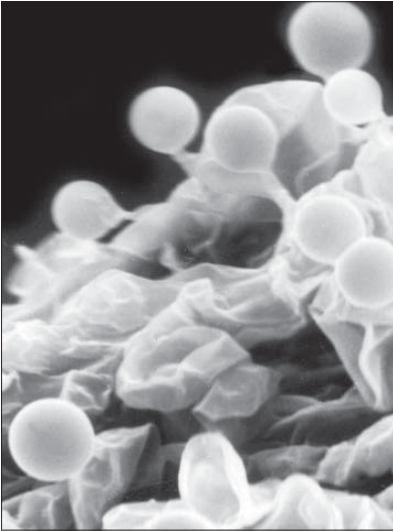
Pleurotus cystidiosus



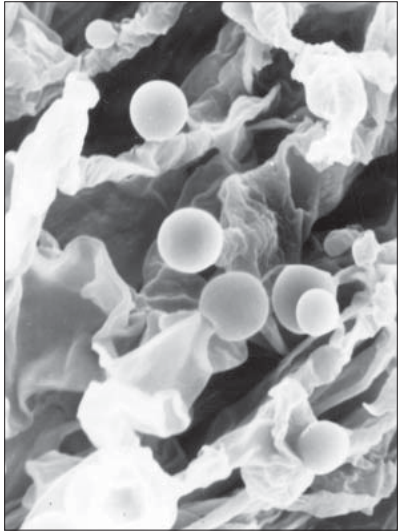
Pleurotus cystidiosus



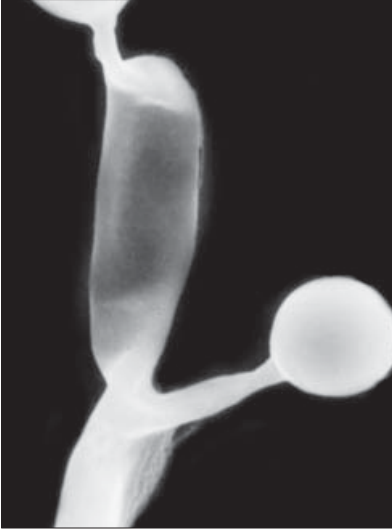
Pleurotus cystidiosus



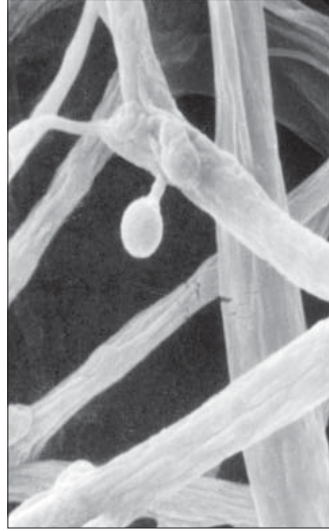
Pleurotus cystidiosus



Pleurotus cystidiosus



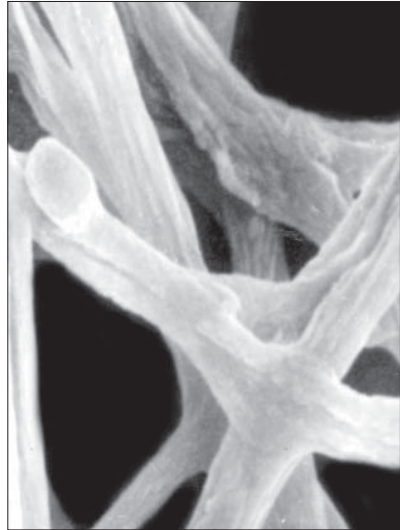
Pleurotus cystidiosus



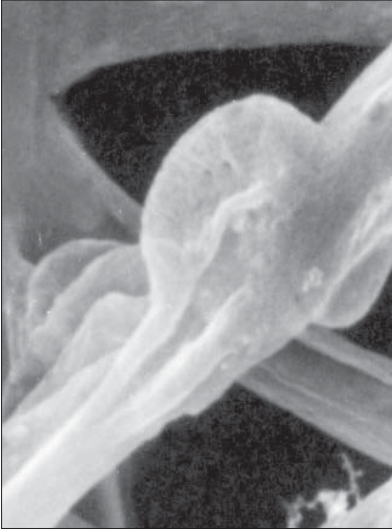
Pleurotus djamor



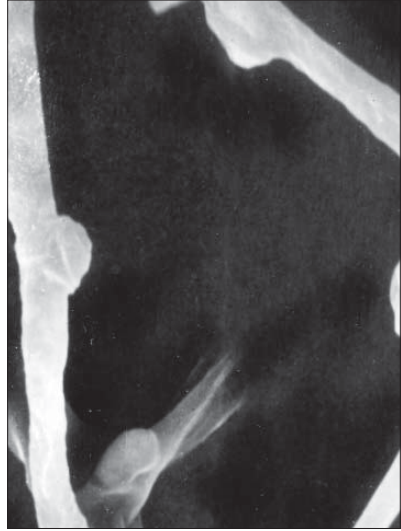
Pleurotus djamor



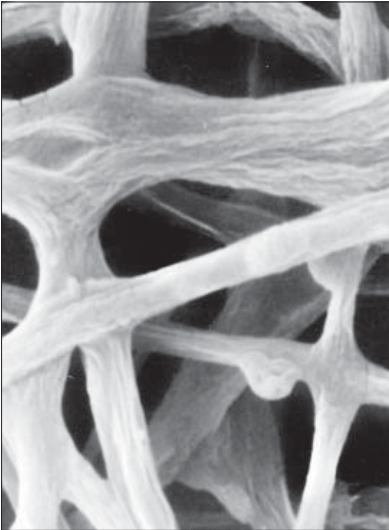
Pleurotus djamor



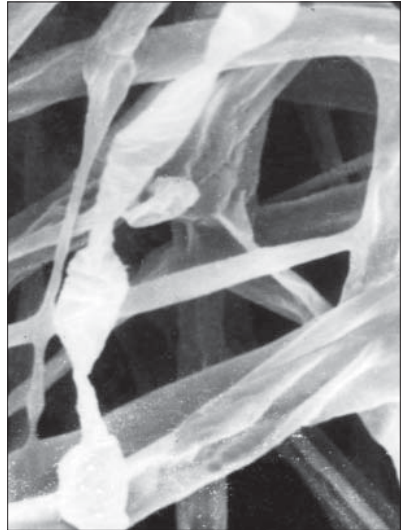
Pleurotus eryngii



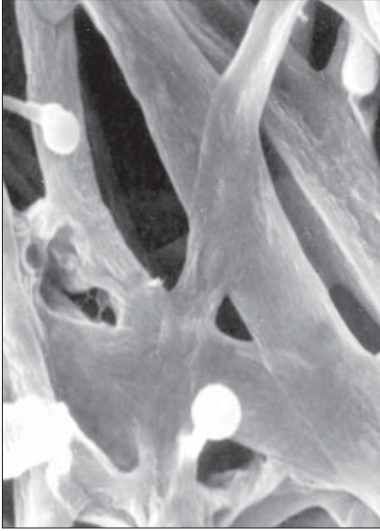
Pleurotus eryngii



Pleurotus eryngii



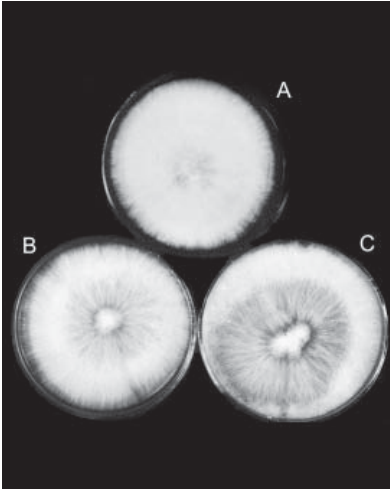
Pleurotus eryngii



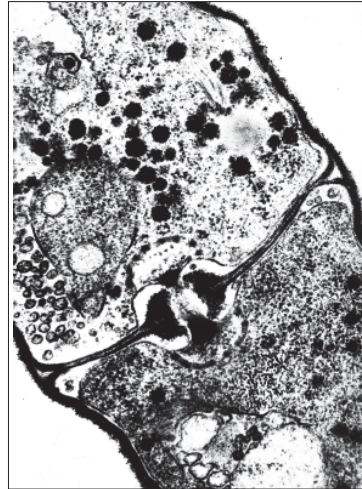
Pleurotus eryngii



Pleurotus ostreatus



Pleurotus ostreatus



Pleurotus ostreatus



Pleurotus ostreatus



Pleurotus ostreatus



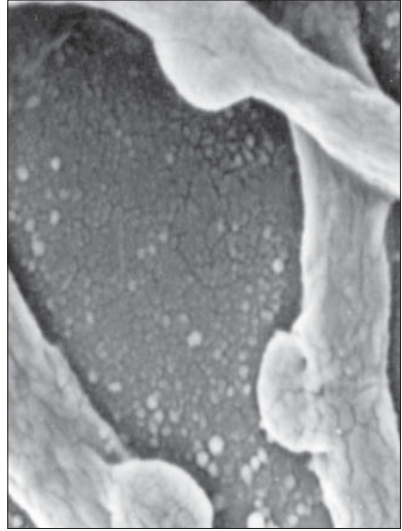
Pleurotus ostreatus



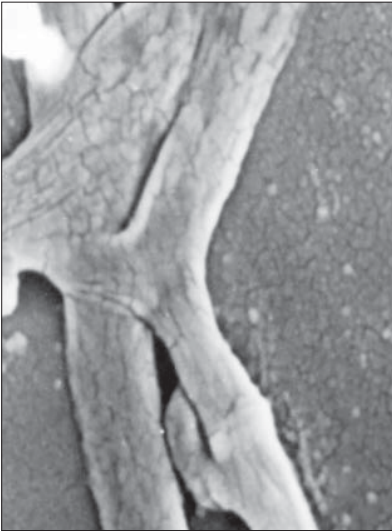
Pleurotus ostreatus



Pleurotus pulmonarius



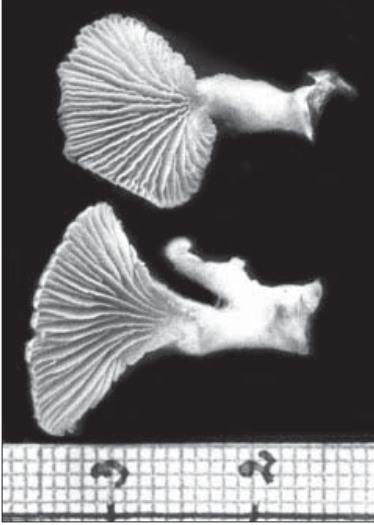
Pleurotus pulmonarius



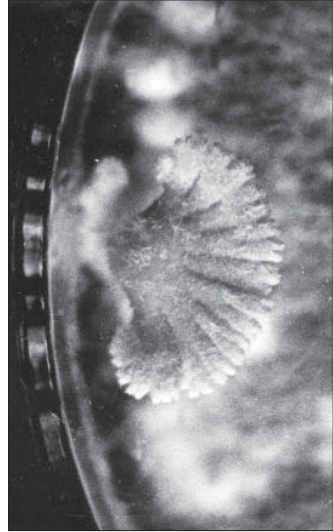
Pleurotus pulmonarius



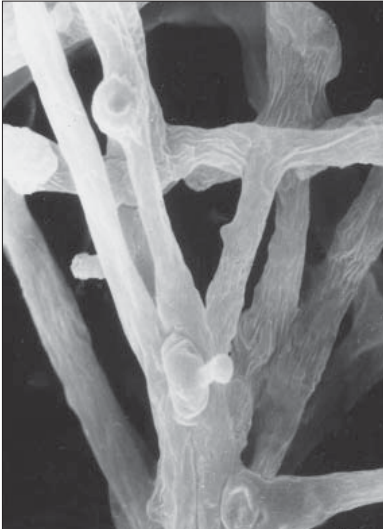
Pleurotus pulmonarius



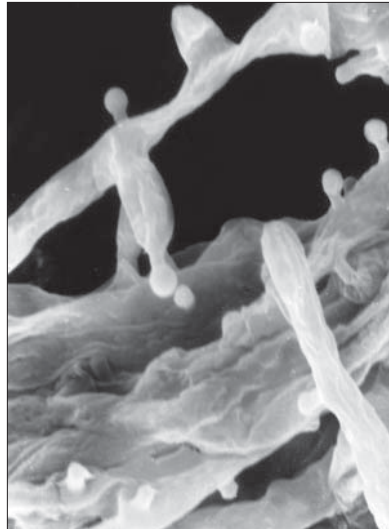
Schizophyllum commune



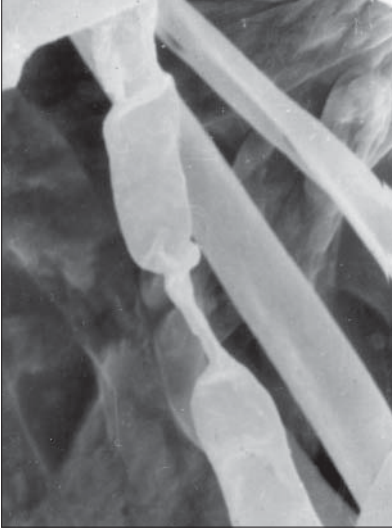
Schizophyllum commune



Schizophyllum commune



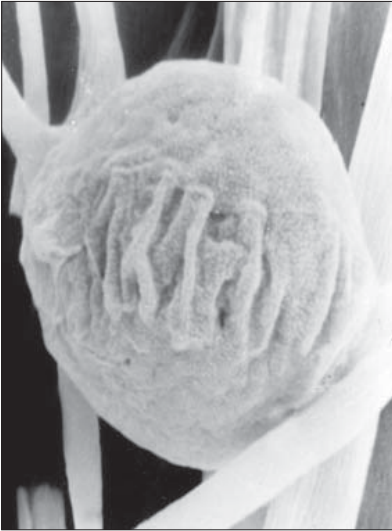
Schizophyllum commune



Volvariella volvacea



Volvariella volvacea



Volvariella volvacea



Volvariella volvacea

Список публікацій List of publications

1. *Buchalo A.S.* Pure culture of Higher Basidiomycetes. In: Methods of experimental mycology. – Kiev: Naukova dumka, 1982. – P. 448-461. (Russ.)
2. *Buchlo A.S.* Higher edible Basidiomycetes in pure culture. – Kiev: Naukova dumka, 1988. – 144 p. (Russ.)
3. *Buchalo A., Mykchalaylova O., Lomberg M., and Wasser S.P.* Microstructures of vegetative mycelium of macromycetes in pure cultures // Eds. P. A. Volz and E. Nevo. – Kiev: Alterpress, 2009. – 224 pp.
4. *Anischenko I.M., Gurinovich N.V., Mitropolskaya N.Yu., Klechak I.R.* Using Information Databases for the Study of Strains of Biotechnologically Valuable High Basidiomycetes // *Naukovi visti.* – 2010. – №3. – С. 5-9. (Ukr.)
5. *Antonenko L.O., Bisko N.A., Mytropolska N.Yu., Klechak I.R.* Boundary Temperatures for Cultivation of Basidiomycetes Mushrooms of Genus *Coriolus* Quel. in the Surface Culture // *Naukovi visti.* – 2011. – №3. – С. 7-11. (Ukr.)
6. *Babitskaya V.G., Bisko N.A., Scherba V.V., Mitropolskaya N.Yu.* Some Biologically Active Substances from Medicinal Mushroom *Ganoderma lucidum* (Curt.:Fr.) P. Karst. (Aphyllphoromycetidae) // *Ibid.* – 2003. – 5, N 3. – P. 301-305.
7. *Babitskaya V.G., Bisko N.A., Scherba V.V., Mitropolskaya N.Yu.* Study of melanin complex from medicinal mushroom *Phellinus robustus* (P. Karst.) Bourd. et Galz. (Aphyllphoromycetidae) // *Ibid.* – 2007. – 9, N 3-4. – P. 177-184.
8. *Babitskaya V.G., Scherba V.V., Ikonnikova N.V., Bisko N.A., Mitropolskaya N.Yu.* Complex from *Inonotus obliquus* (Pers.:Fr.) Pilat. (Aphyllphoromycetidae) // *Intern. J. Med. Mushr.* – 2002. – 4, N 2. – P. 139-146.
9. *Bisko N.A., Babitskay V.G., Poyedinok N.L.* The influence of different Factors on the Polysaccharide Accumulation of *Ganoderma lucidum* // *Ibid.* – 2007. – 9, N 3-4. – P. 274.

10. *Buchalo A.S.* Studies on Medicinal Mushrooms at the National Ukrainian Culture Collection // *Ibid.* – 2000. – N2-3. – P. 93.
11. *Buchalo A.S., Diduch M. Ya.* Micromorphological characteristics of culinary-medicinal Mushroom and Fungi cultures // *Ibid.* – 2005. – 7, N 1-2. – P. 249-261.
12. *Buchalo A.S., Diduch M. Ya.* Micromorphological characteristics of culinary-medicinal Mushroom and Fungi cultures // *Intern. J. Med. Mushr.* – 2005. – 7, N 1-2. – P. 249-261.
13. *Buchalo A.S., Diduch M. Ya., Mykhaylova O.B., Lynovitska V.M.* Microstructures in mushroom cultures // *Ibid.* – 2005. – 7, N 3. – P. 389.
14. *Buchalo A.S., Mitropolskaya N.Yu.* Studies on Medicinal Mushrooms at the National Ukrainian Culture Collection // *Ibid.* – 2002. – 4, N 3. – P. 245-254.
15. *Buchalo A.S., Poyedinok N.L., Mykchaylova O.B., Lomborg M.* Screening of medicinal and culinary mushrooms in pure culture // *Ibid.* – 2007. – 9, N 3-4. – P. 285-286.
16. *Buchalo A.S., Poyedinok N.L., Mykchaylova O.B., Bisko N.A., Puchkova T.A., Wasser S.P.* Morphological and micromorphological peculiarities of *Cordyceps militaris* (L.:Fr) Link. and *C. sinensis* (Berk.) Sacc. Link. in pure culture // *Intern. J. Med. Mushr.* – 2009. – Vol. 11, № 4. – P. 260-261.
17. *Buchalo A.S., Wasser S.P., Mykchaylova O.B., Lomborg M.L.* Taxonomical significance of microstructures in pure cultures of macromycetes // *Proc. 7th Inter. Conf. on Mushroom Biology and Mushroom Products (ICMBMP7).* – 2011 – P. 50-57.
18. *Diduch M. Ya., Wasser S.P., Nevo E.* Medicinal Value of Species of the Family Agaricaceae Cohn (Higher Basidiomycetes): Current Stage of Knowledge and Future Perspectives // *Intern. J. Med. Mushr.* – 2003. – 5, N2. – P.133-152.
19. *Fomina V.I., Mitropol'skaya N.Yu., Bis'ko N.A., Shevtsova L.V.* The screening of high productive strains of *Lentinus edodes* // *Mycol. Phytopathol.* – 2003. – 37, N.2. – P. 60-65. (Russ.)
20. *Klechak I.R., Bisko N.A., Poyedinok N.L., Antonenko L.O.* The growth mechanisms of the promising research subjects of bio-

- technology – basidiomycetes mushrooms of the genus *Coriolus* on Agar mediums // *Naukovi visti*. – 2008. – N 6. – P.100-107.
21. *Klechak I.R., Mytropolska N.Yu., Antonenko L.O., Nyshporska O.I.* The Specificity of *Coriolus Versicolor* Growth in a Deep Culture // *Naukovi visti*. 2009. – №1. – C.128-133. (Ukr.)
 22. *Linovitska V.M., Buchalo A.S.* Cultural and morphological characteristics of medicinal mushroom *Schizophyllum commune* Fr. (Basidiomycetes) on agar media // *Ukr. Botan. Journ.* – 2005. – **62**, N 1. – P. 78-86. (Ukr.).
 23. *Lomberh M., Buchalo A., Solomko E., Grygansky A., Kirchoff B.* Investigation of mycelium growth and fruit body development of different strains of the beech mushroom Shimeji (*Hypsizygus marmoreus* (Bull.:Fr.) Singer). Science and cultivation of edible fungi // *Proceed. of the 15th Int. Congr. of the Science and Cultivation of Edible Fungi*. Maastricht, Netherlands, (15-19 May, 2000), – Vol.2. – P. 763-770.
 24. *Lomberh M.L., Renker C., Buchalo A.S., Solomko E.F., Kirchoff B., Buscot F.* (2003) Micromorphological and Molecular Biological Study of Culinary-Medicinal Mushroom *Hypsizygus marmoreus* (Peck)Bigel. (Agaricomycetideae) // *Intern. J. Med. Mushr.* – 2003. – **5**, N3. – P. 307-312.
 25. *Mitropolskaya N.Yu., Buchalo A.S.* Culture Collection of Mushrooms at N.G. Kholodny Institute of Botany NASU (Ukraine) // *Ibid.* – 2001. – **3**, N2-3. – P. 181.
 26. *Mykchaylova O.B., Buchalo A.S.* Morphological characteristic of morels pure cultures (Morchellaceae, Ascomycota) on agar nutritional media // *Ukr. Botan. J.* – 2005. – **62**, N 4. – P. 500-508. (Ukr.).
 27. *Mykchaylova O.B., Buchalo A.S.* Mycelial microstructures in pure cultures of the representatives of Morchellaceae (Ascomycota) // *Ibid.* – 2005. – **62**, N 6. – P. 790-796. (Ukr.).
 28. *Poyedinok N.L., Buchalo A.S. et al.* The Action of Argon and Helium-Neon Laser Radiation on Growth and Fructification of Culinary-Medicinal Mushrooms *Pleurotus ostreatus*, *Lentinus edodes* and *Hericium erinaceus* // *Ibid.* – 2003. –**5**. – P. 251–257.

29. Poyedinok N.L., Negrijko A., Buchalo A.S., Mykchaylova O.B. The activity of certain medicinal mushrooms after light influences // Ibid. – 2007. – **9**, N 3-4. – P. 342–343.
30. Poyedinok N.L., Negrijko A., Potemkina. Influence of Low-intensity Lasar Radiation on the Growth and Development of *Hericiun erinaceus* (Bull.:Fr.) Pers. and *Pleurotus ostreatus* (Jacq.:Fr.) Kumm. // Intern. J. Med. Mushr. – 2001. – N2-3. – P.
31. Smirnov D.A., Babitskaya V.G., Puchkova T.A., Shcherba V.V., Bisko N.A., Poyedinok N.L. Some Biologically active substances from a Mycelial biomass of medicinal caterpillar fungus *Cordyceps sinensis* (Berk.) Sacc. (Ascomycetes)// Ibid. – 2009. – **11**, N4. – P. 69-76.
32. Solomko E.F., Lomberg M.L., Mitropolska N.Yu., Cholovska E.V. The growth of some medicinal macromycetes species on the different nutritious media // Ukr. Botan. J. – 2000. – **57**, N 2. – P. 119-125. (Ukr.)

Підписано до друку 21.11.2011. Формат 60x84/16. Гарнітура Times New Roman.
Друк офсетний. Ум. друк. арк. 5,82. Обл.-вид. арк. 5,2. Наклад 100. Замовлення №11-34

«Альтерпрес», 01034 Київ, вул. В. Житомирська, 28 Свідоцтво ДК №177 від 15.09.2000 р.
Надруковано в ТОВ «Альтерпрес», 04112 Київ, вул. Шамрила, 23