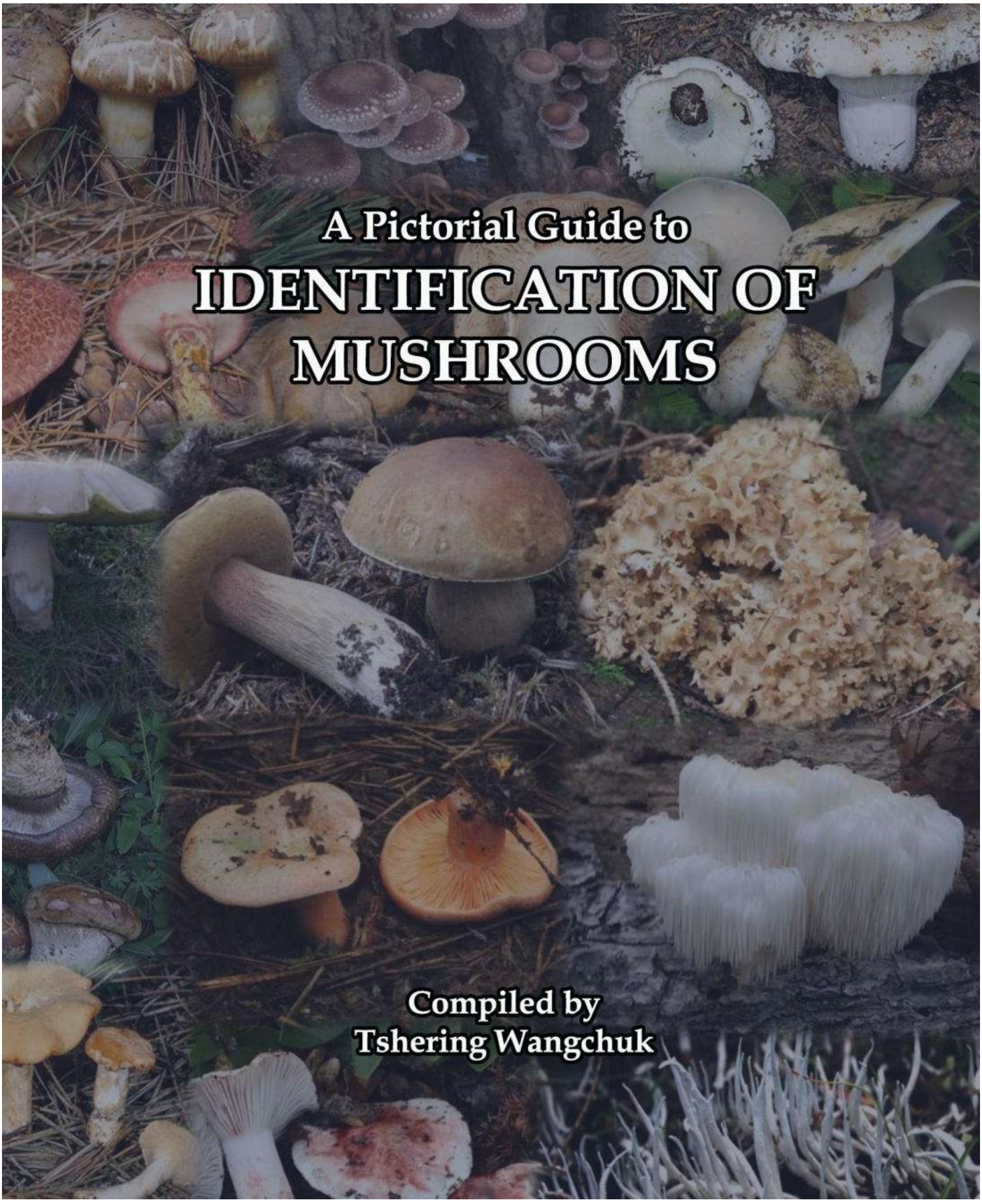

A Pictorial Guide to
IDENTIFICATION OF MUSHROOMS
Compiled by
Tshering Wangchuk

A Pictorial Guide to

IDENTIFICATION OF MUSHROOMS

Compiled by
Tshering Wangchuk

Publisher
Tshering Wangchuk, TMD, DHS, Ministry of Health, Thimphu
March 2023

© Tshering Wangchuk

Layout and design
Tshering Wangchuk, TMD, DHS, MoH, Thimphu.
Email: tsheerril@gmail.com
Mobile no. +975 17464646

Disclaimer for the usage of the mushrooms

The consumption of mushrooms in any way can be fatal, as most of them are toxic and cause serious health problems, including death. It is important to properly identify and confirm their edibility before consuming them. If you are unsure about the safety of the particular species, do not consume it.

The authors do not assume any responsibility for the consequences resulting from the use of any mushrooms mentioned in this guideline. The reader assumes all risks associated with the use of any species and should take appropriate precautions to ensure their safety and the safety of others. This disclaimer is not intended to replace professional medical advice.

Disclaimer for the pictures used from online

Most of the pictures used in this guideline have been sourced from the online platform. I make no claim of ownership or copyright over these pictures. They are solely used for illustrative purposes and no copyright infringements are intended.

Printed at: Tshangpa Printing Press, Kawang Jangsa, Thimphu

ISBN 978-99980-781-3-0

INTRODUCTION

Mushrooms are fascinating and mysterious organisms that have captured human imaginations for centuries. They are an essential part of the ecosystem playing a vital role in nutrient cycling, decomposition and even medicine. They contain a wide variety of bioactive compounds, including polysaccharides, beta-glucans, triterpenoids and phenolic compounds, which have been shown to have a range of therapeutic effects. These compounds have been found to have immune-boosting, anti-inflammatory, antioxidant and anti-cancer properties among others. They are also a good source of vitamin D, important for bone health.

While there are thousands of species, many of which are toxic and can cause serious illness or even death, many well-known medicinal mushrooms like *Fomes fomentarius, Ganoderma lucidum, Lentinula edodes, Ophiocordyceps sinensis, Tremella mesenterica, Trametes versicolor* and *Tricholoma matsutake* have been used for centuries in traditional medicine systems as a natural and effective tool to promote health and overall well-being.

Medicinal mushrooms like *Exidia recisa, Morchella conica, Ganoderma lucidum, Tricholoma matsutake* and *Ophiocordyceps sinensis* are exploited to extinction due to the growing demand. Today, it has become indispensable to document and conserve them and other species to maintain healthy ecosystems, ensure food security, preserve traditional medicine practices, support local and national economies, develop new medicines and mitigate climate change.

PREFACE

This guide is a celebration of the incredible diversity and beauty of the Fungal Kingdom. From the delicate beauty of the fairy ring mushroom to the impressive size of the giant puffball, they have captured the human imagination for centuries. Their mysterious growth habits, immense medicinal properties, edible qualities and potential toxicity make them a subject of great interest and importance in the field of science, medicine and culinary arts.

Despite their long history of use and growing popularity, identifying each species can be a challenging and daunting task. Thus, an effort has been made to present a pictorial illustration of 530 species of common mushrooms belonging to 77 Families occurring between 500-5900 masl to assist identification and promote the beauty and incredible diversity of these remarkable organisms. Dzongkhag nomenclatures available for a few species are also mentioned to acknowledge the cultural significance and to promote the local terminologies.

While more than 98% of raw materials used for the production of essential traditional medicine are high and low-altitude medicinal plants, very few mushrooms are used as very little is known about them. This call for a concerted effort to document and explore the possibilities of substituting the rare and endangered medicinal plant species with mushrooms through proper research, which would be significant for health and well-being when founded on evidence, innovation and sustainability.

I hope that this guide will provide much-needed knowledge and inspire more people to appreciate the diversity and beauty of mushrooms, and also promote responsible and safe mushroom foraging practices.

TABLE OF CONTENT

Sl. no.	Topic	Page Number
1	Introduction	i
2	Preface	ii
3	Colour Plates	1-266
4	Physical Structure	267
5	Dzongkha Index	268
6	Scientific Index	269-274
7	References	275

ACAROSPORACEAE



Pleopsidium chlorophanum (Wahlenb.) Zopf



Pleopsidium flavum (Bellardi) Korber.

AGARICACEAE



Agaricus augustus Fr.



Agaricus bisporus (J.E.Lange) Imbach

AGARICACEAE



Agaricus blazei Murrill (ABM)



Agaricus campestris L.

AGARICACEAE



Agaricus muscarius (Agar.)



Calvatia gigantea (Batsch ex Pers.) Lloyd

AGARICACEAE



Coprinus comatus (O.F.Müll.) Pers.



Cystoderma amianthinum (Scop.) Fayod

AGARICACEAE



Cystoderma granulosum f. granulosum (Batsch) Fayod



Leucocoprinus birnbaumii (Corda) Singer

AGARICACEAE



Leucocoprinus brebissonii (Godey) Locq.



Leucocoprinus cepistipes (Sw.) Pat.

AGARICACEAE



Leucocoprinus cretaceous (Bull.) Locq.



Leucocoprinus ianthinus (Sacc) P.Mohr

AGARICACEAE



Leucocoprinus straminellus (Bagl.) Narducci & Caroti



Leucocoprinus tricolor H.V. Sm.

AGARICACEAE



Lycoperdon nigrescens Wahlenb.



Lycoperdon perlatum Pers.

AGARICACEAE



Lycoperdon pretense Pers.



Lycoperdon pulcherrimum Berk. & M.A.Curtis

AGARICACEAE



Lycoperdon pyriforme (Schaeff.) Vizzini



Lycoperdon umbrinum Pers.

AGARICACEAE



Macrolepiota albuminosa (Berk.) Pegler



Macrolepiota bonaerensis (Scop.) Singer

AGARICACEAE



Macrolepiota clelandii Grgur.



Macrolepiota dolichaula (Scop.) Singer

AGARICACEAE



Macrolepiota excoriata (Schaeff.) Wasser



Macrolepiota mastoidea (Fr.) Singer

AGARICACEAE



Macrolepiota procera (Scop.) Singer



Macrolepiota rachodes (Vitt.) Sing.

AGARICACEAE



Macrolepiota venenata (Scop.) Singer

ALBATRELLACEAE



Albatrellus caeruleoporus (Peck) Pouzar.

AMANITACEAE



Amanita caesarea (Scop.) Pers.



Amanita flavoconia G.F.Atk.

AMANITACEAE



Amanita flavoconia var. *flavoconia* G.F. Atk.



Amanita hemibapha (Berk. & Broome) Sacc.

AMANITACEAE



Amanita hemibapha var. *ochracea* Z. L. Yang



Amanita muscaria (L.) Lam.

AMANITACEAE



Amanita ocreata Peck.



Amanita pantherina (DC.) Krombh.

AMANITACEAE



Amanita phalloides (Vaill. ex Fr.) Link



Amanita rubrovolvata S. Imai

AMANITACEAE



Amanita vaginata (Bull.) Lam.



Amanita virosa (Fr.) Bertillon

AMANITACEAE



Amanita verna (Bull.) Lam.

AMYLOCORTICIACEAE



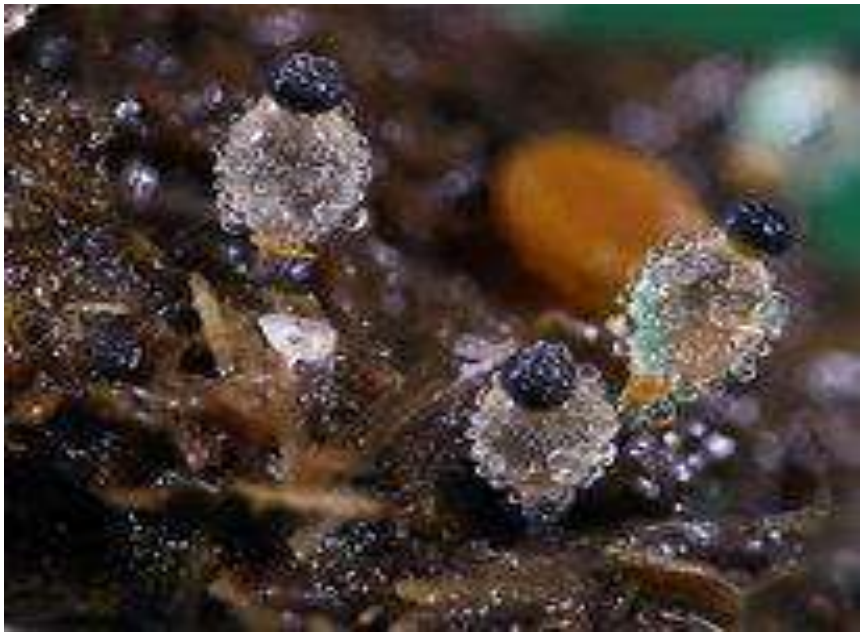
Plicaturopsis crispa (Pers.) D.A.Reid

AMYLOCORTICIACEAE



Plicaturopsis nivea (Fr.) P. Karst.

ASCOBOLACEAE



Ascobolus immersus Pers.

ASCOBOLACEAE



Ascobolus scatigenus (Berk. & Curtis) Brumm.



Ascobolus stercorarius Bull.

AURICULARIACEAE



Auricularia auricula (Bull.) J.Schröt.



Auricularia auricula-judae (Bull.) J.Schröt.

AURICULARIACEAE



Auricularia cornea Ehrenb.



Auricularia fuscosuccinea (Mont.) Henn.

AURICULARIACEAE



Auricularia mesenterica (Dicks.) Pers.



Auricularia nigricans (Fr.) Birkebak, Looney, & Sánchez

AURICULARIACEAE



Exidia glandulosa (Bull.) Fr.



Exidia nigricans (With.) P. Roberts

AURICULARIACEAE



Exidia nucleate (Schwein.) Burt



Exidia pithya (Alb. & Schwein.) Fr.

AURICULARIACEAE



Exidia plana Donk.



Exidia recisa (Ditmar) Fr.

AURICULARIACEAE



Exidia repanda Fr.

BIANNULARIACEAE



Catathelasma imperiale (P. Karst.) Singer

BOLBITIACEAE



Panaeolus antillarum (Fr.) Dennis



Panaeolus cinctulus (Bolton) Saccardo

BOLBITIACEAE



Panaeolus foenisecii (Pers.) R.Maire



Panaeolus papilionaceus (Bull. ex Fries) Quélet

BOLETACEAE



Aureoboletus thibetanus (Pat.) Hongo & Nagas.



Boletellus emodensis (Berk.) Singer

BOLETACEAE



Boletus aereus Bull.



Boletus aurantiacum Bull. Gr.

BOLETACEAE



Boletus badius Bull.



Boletus bicolor (Peck) G.Wu & Zhu L.Yang

BOLETACEAE



Boletus cf. edulis (Bull. Fr.)



Boletus edulis Bull.

BOLETACEAE



Boletus ornatipes Peck



Boletus regius Krombh.

BOLETACEAE



Boletus reticulatus Schaeff.



Boletus satanas Bull.

BOLETACEAE



Boletus versipellis Fr. & Hök



Leccinum versipelle (Fr. & Hök) Snell

BOLETACEAE



Leccinum holopus (Rostk.) Watling

BONDARZEWIACEAE



Bondarzewia berkeleyi (Fr.) Bondartsev & Singer

BONDARZEWIACEAE



Bondarzewia monticola (Quel) Sing.



Bondarzewia occidentalis Jia J. Chen, B.K. Cui& Y.C. Dai Myc.

CANTHARELLACEAE



Cantharellus appalachiensis R.H. Petersen



Cantharellus californicus Arora & Dunham

CANTHARELLACEAE



Cantharellus cinnabarinus (Schwein.) Schwein.



Cantharellus cibarius Fr.

CANTHARELLACEAE



Cantharellus formosus Corner



Cantharellus pallens Pil.

CANTHARELLACEAE



Cantharellus phasmatis Foltz & T.J.Volk



Cantharellus roseocanus (Red., Nor.l & Da.) Redh. No. & Mo.

CANTHARELLACEAE



Cantharellus subalbidus A.H.Sm. & Morse



Cantharellus texensis Buyck & V. Hofstetter

CANTHARELLACEAE



Craterellus aurora L.



Craterellus cinereus (Pers.) Fr.

CANTHARELLACEAE



Craterellus cornucopioides (L.) Pers.



Craterellus fallax L.

CANTHARELLACEAE



Craterellus foetidus L.



Craterellus ignicolor R.H. Peterson

CANTHARELLACEAE



Craterellus lutescens Co.



Craterellus odoratus (L.) Pe. Pers

CANTHARELLACEAE



Craterellus tubaeformis (Fr.) Quél.

CLAVARIACEAE



Clavaria fragilis Holmsk.

CLAVARIACEAE



Clavaria zollingeri Lev.



Clavulinopsis amoena Zo.& Mor.

CLAVARIACEAE



Clavulinopsis aurantiocinnabarina (Schwein.) Co.



Clavulinopsis corniculata (Schaeff.) Corner.

CLAVARIACEAE



Clavulinopsis fusiformis (Sowerby) Corner



Clavulinopsis helvola (Sacc.) Corner

CLAVARIACEAE



Clavulinopsis laeticolor (Berk. & M.A.Curtis) R.H.Petersen



Clavulinopsis miniata (Berk.) Corner

CLAVARIACEAE



Clavulinopsis miyabeana (S.Ito) S.Ito.

CLAVULINACEAE



Clavulina amethystina (Bull.) Donk

CLAVULINACEAE



Clavulina cinerea (Bull.) J.Schröt.



Clavulina coralloides (Holmsk.) J. Schröt.

CLAVULINACEAE



Clavulina cristata (Holmsk.) J. Schröt.



Clavulina rugosa (Bull.) J.Schröt.

CORDYCIPITACEAE



Isaria tenuipes Peck

CORTINARIACEAE



Cortinarius alboviolaceus (Pers.) Fr.

CORTINARIACEAE



Cortinarius archeri Berk.



Cortinarius caperatus (Pers.) Fr.

CORTINARIACEAE



Cortinarius emodensis Berk.



Cortinarius orellanus Fries

CORTINARIACEAE



Cortinarius rotundisporus Cleland & Cheel



Cortinarius rubellus Cooke.

CORTINARIACEAE



Cortinarius semisanguineus (Fr.) Gillet



Cortinarius splendens (Rob. Henry) Niskanen & Liimat.

CORTINARIACEAE



Cortinarius violaceus (L.) Gray



Rozites emodensis (Berk.) M.M. Moser

CUDONIACEAE



Spathularia flavida Pers.



Spathulariopsis velutipes (Cooke & Farl. ex Co.) M.Ge.

DACRYMYCETACEAE



Dacrymyces chrysospermus Berk. & M.A.Curtis

DERMATEACEAE



Mollisia cinerea (Batsch) P.Karst.

DERMATEACEAE



Mollisia discolor (Mont. & Fr.) W. Phillips



Mollisia ligni (Desm.) P.Karst.

DERMATEACEAE



Mollisia lividofusca (Fr.) Gillet



Mollisia melaleuca (Fr.) Sacc.

DIATRYPACEAE



Diatrype bullata (Hoffm.) Fr.



Diatrype disciformis (Hoffm.) Fr.

DIATRYPACEAE



Diatrype stigma (Hoffm.) Fr.



Diatrype virescens (Schwein.) Cooke.

DIATRYPACEAE



Diatrypella favacea (Fr.) Ces. & De Not.



Diatrypella quercina (Pers.) Cooke.

DISCINACEAE



Gyromitra ambigua (P.Karst.) Harmaja



Gyromitra caroliniana (Bosc) Fr.

DISCINACEAE



Gyromitra esculenta (Pers. ex Pers.) Fr.



Gyromitra gigas (Krombh.) Cooke

DISCINACEAE



Gyromitra infula (Schaeff.) Quél.



Gyromitra korfii (Raitv.) Harmaja

ENTOLOMATACEAE



Clitopilus prunulus (Scop. ex Fr.) P. Kumm.

EXOBASIDIACEAE



Laurobasidium lauri (Geyler) Jülich

FISTULINACEAE



Fistulina hepatica (Schaeff.) W.

FOMITOPSIDACEAE



Fomitopsis betulina Bull.

FOMITOPSIDACEAE



Fomitopsis cajanderi (P.Karst.) Kotl. & Pouzar



Fomitopsis dochmia (Berk. & Broome) Ryvarden

FOMITOPSIDACEAE



Fomitopsis meliae (Underw.) Gilb.



Fomitopsis officinalis (Vill.) Kotl. & Pouzar

FOMITOPSIDACEAE



Fomitopsis palustris (Berk. & M.A.Curtis) Gilb. & Ryvarden



Fomitopsis pini-canadensis (nom. prov.)

FOMITOPSIDACEAE



Fomitopsis pinicola (Sw.) P.Karst.



Fomitopsis rosea (Alb. & Schwein.) P. Karst.

FOMITOPSIDACEAE



Fomitopsis subfeei B.K.Cui & M.L.Han



Laetiporus cincinnatus (Morgan) Burdsall, Banik & T. J.

FOMITOPSIDACEAE



Laetiporus gilbertsonii Burds.



Laetiporus sulphureus (Bull.) Murrill

GANODERMATACEAE

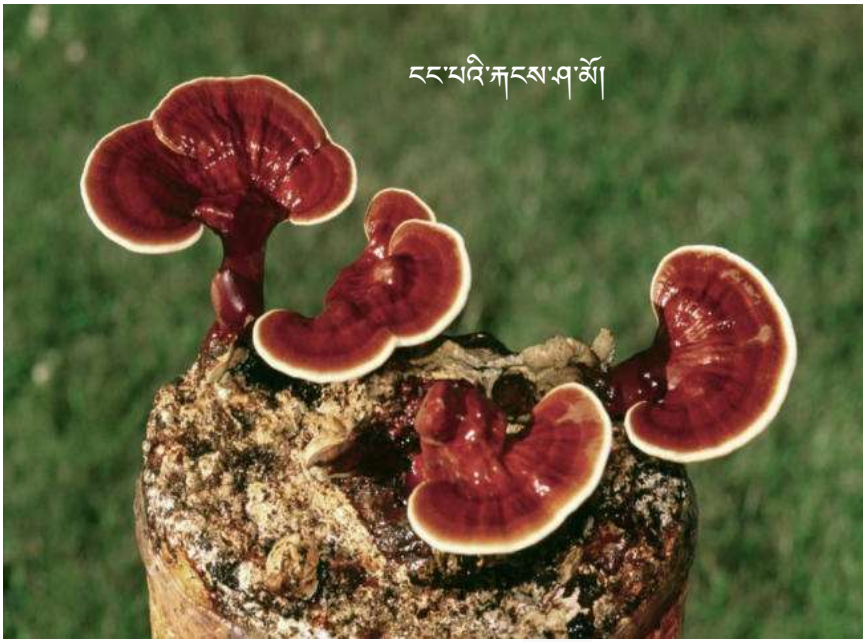


Ganoderma applanatum (Pers.) Pat.



Ganoderma boninense Patouillard

GANODERMATACEAE



Ganoderma lucidum Karst



Ganoderma resinaceum Boud.

GANODERMATACEAE



Ganoderma sessile Mur.

GEASTRACEAE



Geastrum britannicum J.C. Zamora

GEASTRACEAE



Geastrum fimbriatum Fr.



Geastrum fornicatum (Huds.) Hook.

GEASTRACEAE



Geastrum minimum Schwein.



Geastrum pectinatum Pers.

GEASTRACEAE



Geastrum rufescens Pers.



Geastrum saccatum Fr.

GEASTRACEAE



Geastrum schmidelii Vittad.



Geastrum triplex Jungh.

GLOEOPHYLLACEAE



Neolentinus adhaerens (Alb. & Schwein.) Redhead & Ginns.



Neolentinus kauffmanii (A.H.Sm.) Redhead & Ginns

GLOEOPHYLLACEAE



Neolentinus lepideus (Fr.) Redhead & Ginns



Neolentinus ponderosus (O.K.Mill.) Redhead & Ginns

GOMPHACEAE



Clavariadelphus pistillaris (L.) Donk



Gomphus clavatus (Pers.) Gray

GOMPHACEAE



Ramaria asiatica (R.H.Petersen &M. Zang) R.H. Peter.



Ramaria botrytis (Pers.) Ricken

GOMPHACEAE



Ramaria violaceibrunnea var.*asiatica* R.H. Petersen & M. Zang



Turbinellus floccosus (Schwein.) Earle ex Gia. & Cas.

HELOTIACEAE



Ascocoryne cylichnium (Tul.) K.



Ascocoryne sarcoides (Jacq.) J.W.Groves & D.E.Wilson

HELOTIACEAE



Ascocoryne solitaria (Rehm) Dennis.



Cenangium ferruginosum Fr.

HELOTIACEAE



Mitrula elegans (Berk.) Fr.



Mitrula paludosa Fr.

HELVELLACEAE



Helvella acetabulum (L.) Quél.



Helvella atra J.König.

HELVELLACEAE



Helvella chinensis (Velen.) Nannf. & L. Holm



Helvella crispa (Scop.) Fr.

HELVELLACEAE



Helvella dryophila Vellinga & N.H.Nguyen



Helvella elastic Bull.

HELVELLACEAE



Helvella lacunose (Afzel.)



Helvella leucomelaena (Afzel.)

HELVELLACEAE



Helvella macropus (Pers.) P. Karst



Helvella queletii Bres.

HELVELLACEAE



Helvella solitaria (P.Karst.) P.Karst.



Helvella vespertina N.H.Nguyen & Vellinga

HERICIACEAE



Hericium erinaceus (Bull.) Persoon

HYDNACEAE



Hydnum albidum Peck

HYDNACEAE



Hydnum albomagnum Banker



Hydnum imbricatum (L.) P.Karst.

HYDNACEAE



Hydnum oregonense Norvell, Liimat. & Niskanen



Hydnum peckii Banker

HYDNACEAE



Hydnum rufescens Pers.



Hydnum repandum P,.B.

HYDNACEAE



Hydnum umbilicatum Peck

HYDNANGIACEAE



Laccaria amethystina (Huds.) Cooke

HYGROPHORACEAE



Hygrophorus russula (Schaeff.) Kauffman

HYGROPHORACEAE



Hygrocybe conica (Schaeff.) P.Kumm.

HYGROPHORACEAE



Hygrocybe miniata (Fr.) P.Kumm.

HYGROPHOROPSIDACEAE



Hygrophoropsis aurantiaca (Wulfen) Maire

HYMENOCHAETACEAE



Coltricia cinnamomea (Jacq.) Murrill



Coltricia montagnei (Fr.) Murrill

HYMENOCHAETACEAE



Coltricia perennis (L.) Murrill



Infundibulicybe gibba (Pers.) Harmaja

HYMENOCHAETACEAE



Inonotus cuticularis (Bull.) P.Karst.



Inonotus dryadeus (Pers.Fr.) Murr

HYMENOCHAETACEAE



Inonotus glomeratus (Bull.) P.Karst.



Inonotus hispidus Bull.

HYMENOCHAETACEAE



Inonotus nodulosus (Fr.) T.Wagner & M.Fisch.



Inonotus obliquus (Ach. ex Pers.) Pilát

HYMENOCHAETACEAE



Inonotus radiatus (Sowerby) P.Karst.



Inonotus rheades (Pers.) P.Karst

HYMENOCHAETACEAE



Inonotus rickii (Pat.) Reid

HYMENOGASTRACEAE



Gymnopilus aeruginosus (Peck) Singer.

HYMENOGASTRACEAE



Gymnopilus allantopus (Berk.) Pegler



Gymnopilus braendlei Pileus (Cap)

HYMENOGASTRACEAE



Gymnopilus dilepis (Berk. & Broome) Singer.



Gymnopilus junonius (Fr.) P.D.Orton

HYMENOGASTRACEAE



Gymnopilus luteofolius (Peck) Singer.



Gymnopilus purpuratus (Cooke & Massee) Singer

HYMENOGASTRACEAE



Gymnopilus viridans Murrill

HYPOXYLACEAE



Hypoxylon canker Bull.

HYPOXYLACEAE



Hypoxylon fragiforme (Pers.) J.



Hypoxylon multiforme Bull.

HYPOXYLACEAE



Hypoxylon perforatum (Schwein.) Fr.



Hypoxylon rubiginosum (Pers.) Fr.

ICMADOPHILACEAE



Thamnolia vermicularis (Sw.) Schaer.

LACHNACEAE



Lachnellula abietis (P.Karst.) Dennis.

LACHNACEAE



Lachnellula agassizii (Berk. & M.A. Curtis) Dennis



Lachnellula occidentalis (G.G.Hahn & Ayers) Dharne

LACHNACEAE



Lachnellula subtilissima (Cooke) Dennis



Lachnellula willkommii (Hartig) Dennis

LOBARIACEAE



Lobaria oregano (Tuck.) Müll. Arg.



Lobaria pulmonaria (L.) Hoffm.

LOBARIACEAE



Lobaria scrobiculata (Scop.) P.Gaertn.

LYOPHYLLACEAE



Lyophyllum aggregatum (Scha. Fr.) Ku.

LYOPHYLLACEAE



Lyophyllum shimeji (Kawam.) Hongo



Termitomyces eurrhizus (Berk.) R.Heim

LYOPHYLLACEAE



Termitomyces heimii Natarajan



Termitomyces microcarpus (Berk. & Broome) R.Heim

MARASMIACEAE



Gymnopus acervatus Will. Mur.



Gymnopus brassicolens (Romagn.) Antonín & Noordel.

MARASMIACEAE



Gymnopus confluens (Pers.) Antonín, Halling & Noordel



Gymnopus dryophilus (Bull.) Murrill

MARASMIACEAE



Gymnopus erythropus (Pers.) Antonín.



Gymnopus iocephalus (Berk. & Curt.) Halling.

MARASMIACEAE



Gymnopus luxurians (Peck) Murrill



Gymnopus peronatus (Bolton) Fr. Marasm. (Bull.)

MARASMIACEAE



Gymnopus spongiosus (Berk. & M.A.Curtis) Halling



Marasmius androsaceus (L.) Della Magg. & Trassin.

MARASMIACEAE



Marasmius elegans (Cleland) Grgur.



Marasmius haematocephalus (Scop.) Fr.

MARASMIACEAE



Marasmius oreades (Bolton) Fr



Marasmius plicatulus Peck.

MARASMIACEAE



Marasmius rotula (Scop.) Fr.



Marasmius siccus (Schwein.) Fr.

MARASMIACEAE



Marasmius tageticolor Berk.



Omphalotus illudens (Schwein.) Bresinsky & Besl

MARASMIACEAE



Omphalotus japonicus (Kawam.) Kirchm. & O.K.Mill.



Omphalotus mexicanus Guzmán & V.Mora

MARASMIACEAE



Omphalotus nidiformis (Berk.) O.K. Mill.



Omphalotus olearius (DC.) Sing.

MARASMIACEAE



Omphalotus olivascens H.E.Bigelow, O.K.Mill. & Thiers

MERIPILACEAE



Grifola frondosa (Dicks.) Gray

MERULIACEAE



Phlebia coccineofulva Schwein.



Phlebia gigantea (Fries) Donk

MERULIACEAE



Phlebia incarnata (Schwein.) Nakasone



Phlebia merismoides (Fr.) Fr.

MERULIACEAE



Phlebia radiata Fr.



Phlebia rufa (Pers.) M.P. Christ.

MERULIACEAE



Phlebia subserialis (Bourdot & Galzin) Donk



Phlebia tremellosa (Schrad.) Nakasone & Burds.

MORCHELLACEAE



Morchella angusticeps Peck.



Morchella conica Pers.

MORCHELLACEAE



Morchella deliciosa Fr.



Morchella diminutive M.Kuo, Dew. M. & S.L.Step.

MORCHELLACEAE



Morchella elata Fr.



Morchella esculenta Fr.

MORCHELLACEAE



Morchella importuna M.Kuo, O'Donnell & T.J.Volk



Morchella punctipes Peck.

MORCHELLACEAE



Morchella rufobrunnea Guzmán & F.Tapia



Morchella snyderi M.Kuo & Methven

MORCHELLACEAE



Morchella tomentosa M.Kuo



Morchella umbrina Boud.

MYCENACEAE



Filoboletus gracilis Klotzsch ex Berk.) Sin



Filoboletus manipularis (Berk.) Sin.

MYCENACEAE



Mycena acicula (Schaeff.) P.Kumm.



Mycena amicta (Fr.) Quél.

MYCENACEAE



Mycena chlorophos (Berk. & M.A.Curtis) Sacc.



Mycena cyanorrhiza Quel.

MYCENACEAE



Mycena epipterygia (Scop.) Gray



Mycena galericulata (Scop.) Gray

MYCENACEAE



Mycena interrupta (Berk.) Sacc.



Mycena luxaeterna Desjardin, B.A. Perry & Stevani

MYCENACEAE



Mycena renati Quél.



Panellus longinquus (Berk.) Singer.

MYCENACEAE



Panellus mitis (Pers.) Singer.



Panellus pusillus (Pers. ex Lév.) Burds. & O.K. Mill.

MYCENACEAE



Panellus ringens (Fr.) Romagn.



Panellus serotinus (Pers.) P. Karst.

MYCENACEAE



Panellus stipticus (Bull.) P.Karst.



Panellus violaceofulvus (Batsch) Singer

NECTRIACEAE



Neonectria ditissima (Tul. & C. Tul.) Samuels & Rossman



Nectria cinnabarina (Tode) Fr.

NECTRIACEAE



Nectria coccinea Desm.



Nectria ditissima (Tul. & C. Tul.) Samuels & Rossman

NECTRIACEAE



Nectria inventa Pethybr.



Nectria peziza (Tode) Fr.

NIACEAE



Merismodes anomala (Pers.) Singer.



Merismodes fasciculata (Schwein.) Donk.

NIDULARIACEAE



Crucibulum laeve (Huds.) Kambly



Crucibulum vulgare (Huds.) Kambly

OMPHALOTACEAE



Lentinula boryana (Berk. & Mont.) Pegler



Lentinula edodes (Berkeley) Pegler

OMPHALOTACEAE



Lentinula lateritia (Berk.) Pegler.



Lentinula raphanica (Murrill) Mata & R.H.

OPHIOCORDYCIPITACEAE



Ophiocordyceps sinensis (Berk.) G.H.S., J.M.S-Jones & Spat.

PARMELIACEAE



Parmelia perlata (Huds.) Ach.

PARMELIACEAE



Parmelina quercina (Willd.) Hale



Parmelia saxatilis (L.) Ach.

PHALLACEAE



Clathrus archeri (Berk.) Dring



Clathrus columnatus Bosc.

PHALLACEAE



Clathrus crispus Turpin



Clathrus ruber P.Micheli ex Pers.

PHALLACEAE



Mutinus caninus (Huds.) Fr.



Phallus impudicus L.

PHALLACEAE



Phallus indusiatus Vent.



Phallus multicolor (Berk. & Broome) Cooke

PHALLACEAE



Phallus rubicundus (Bosc) Fr.

PHYLLOTOPSIDACEAE



Phyllotopsis nidulans (Pers.) Singer

PHYSALACRIACEAE



Armillaria bulbosa Marxm. & Romagn.



Armillaria gallica Marxm. & Romagn.

PHYSALACRIACEAE



Armillaria mellea (Vahl) P.Kumm.



Armillaria ostoyae (Romagnesi) Herink

PHYSALACRIACEAE



Armillaria tabescens (Scop.) Emel



Flammulina populicola Redhead & R.H.Petersen

PHYSALACRIACEAE



Flammulina velutipes (Curtis) Singer



Strobilurus albipilatus (Peck) V.L. Wells & Kempton

PHYSALACRIACEAE



Strobilurus conigenoides (Ellis) Singer



Strobilurus esculentus (Wulfen) Singer

PHYSALACRIACEAE



Strobilurus occidentalis V.L. Wells & Kempton



Strobilurus ohshimae (Hongo & I.Matsuda) Hongo ex Katum

PHYSALACRIACEAE



Strobilurus stephanocystis (Pers.) Singer



Strobilurus tenacellus (Pers.) Singer

PHYSALACRIACEAE



Strobilurus trullisatus (Murrill) Lennox.

PLEUROTACEAE



Pleurotus citrinopileatus Singer

PLEUROTACEAE



Pleurotus cornucopiae (Paulet) Rolland



Pleurotus cornucopiae var. *citrinopileatus* (Singer) Ohira

PLEUROTACEAE



Pleurotus djamor (Rumph. ex Fr.) Boedijn



Pleurotus eryngii (DC.) Quél.

PLEUROTACEAE



Pleurotus florida (Jacq.) P. Kumm.



Pleurotus ostreatus (Jacq. ex Fr.) P.Kumm.

PLEUROTACEAE



Pleurotus pulmonarius (Fr.) Quél.



Pleurotus sajor-caju (Fr.) Singer

PLUTEACEAE



Pluteus americanus (P. Ban. & Sun.) Justo, E.F. Maly. & Min.



Pluteus brunneidiscus Murrill

PLUTEACEAE



Pluteus cyanopus Quél.



Pluteus exilis Singer

PLUTEACEAE



Pluteus phaeocyanopus Minnis & Sundb



Pluteus salicinus (Pers.) P.Kumm.

PLUTEACEAE



Pluteus villosus Quél.

POLYPORACEAE



Daedaleopsis confragosa (Bolton) J.Schröt.

POLYPORACEAE



Daedaleopsis septentrionalis (P.Karst.) Niemelä.



Daedaleopsis tricolor (Bull.) Bondartsev & Singer

POLYPORACEAE



Datronia caperata (Berk.) Ryvarden



Datronia mollis (Sommerf.) Donk.

POLYPORACEAE



Datronia scutellata (Schwein.) B.K.Cui, Hai J.Li & Y.C.Dai



Datronia stereoides (Fr.) Zmitr. & Kovalenko.

POLYPORACEAE



Datronia glabra Ryvarden



*Lentinus squarrosulus (*Mont.*)*

POLYPORACEAE



Microporus affinis (Blume & T. Nees) Kuntze



Microporus flabelliformis (Fr.) Pat.

POLYPORACEAE



Microporus vernicipes (Berk.) Kuntze.



Microporus xanthopus (Fr.) Kuntze

POLYPORACEAE



Panus fasciatus (Berk.)



Panus lecomtei (Fr.) Corner.

POLYPORACEAE



Panus neostrigosus Drechsler



Panus rudis Fr.

POLYPORACEAE



Polyporus alveolaris (DC.) Bondartsev & Singer



Polyporus arcularius (Batsch) Fries

POLYPORACEAE



Polyporus badius (Pers.) De



Polyporus brumalis (Pers.) Fr.

POLYPORACEAE



Polyporus squamosus (Huds.) Quélet



Polyporus tricholoma Mont.



Polyporus varius (Pers.) Fr.

POLYPORACEAE



Trametes cubensis (Mont.) Sacc.

POLYPORACEAE



Trametes elegans (Spreng.) Pat.



Trametes hirsuta (Wulfen) Lloyd

POLYPORACEAE



Trametes lactinea (Berk.) Sacc.



Trametes ochracea (Pers.) Gilb. & Ryvarden.

POLYPORACEAE



Trametes pubescens (Schumach.) Pilát



Trametes suaveolens (L.) Fr.

POLYPORACEAE



Trametes versicolor (L.) Lloyd



Trametes villosa (Sw.) Kreisel.

PSATHYRELLACEAE



Coprinellus angulatus (Peck) D. Wächt & A. Melzer



Coprinellus bipellis (Romagn.) P. Roux

PSATHYRELLACEAE



Coprinellus disseminates (Pers.) J.E.Lange



Coprinellus domesticus (Bolton) Vil., Hopple & Jacq.Joh.

PSATHYRELLACEAE



Coprinellus flocculosus (DC.) Vilgalys, Hopple & Jacq.Johnson



Coprinellus impatiens (Fr.) D. Wächt & A. Melzer

PSATHYRELLACEAE



Coprinellus micaceus (Bull.:Fr.) Vilgalys, Hopple Jacq.



Coprinellus truncorum (Scop.) Redhead, Vilgalys & Moncalvo

PSATHYRELLACEAE



Coprinus atramentarius (Bull.) Redhead

PYRONEMATACEAE



Aleuria aurantia (Pers.) Fuckel

PYRONEMATACEAE



Byssonectria fusispora Berk.



Byssonectria terrestris (Alb. & Schwein.) Pfister.

PYRONEMATACEAE



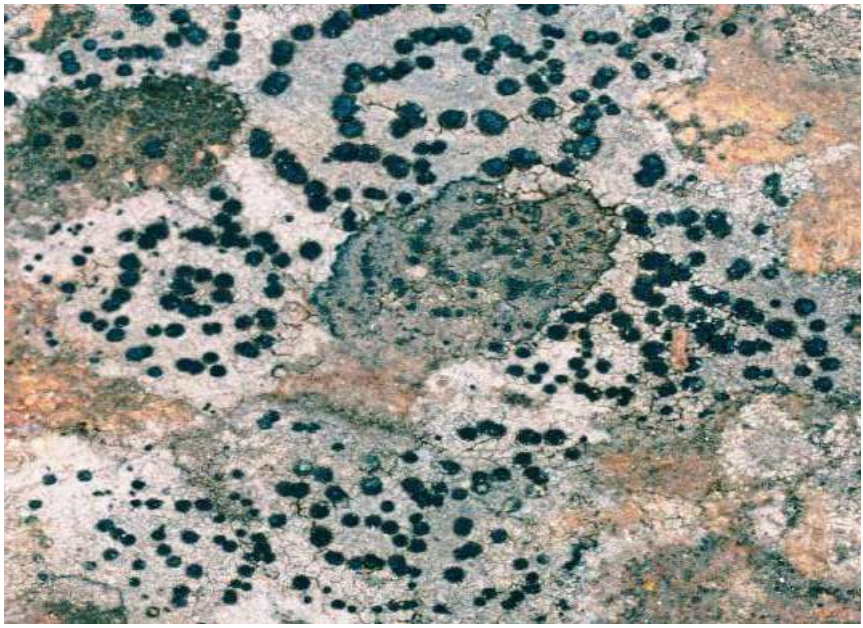
Coprobia granulate Bull.

RHIZOCARPACEAE

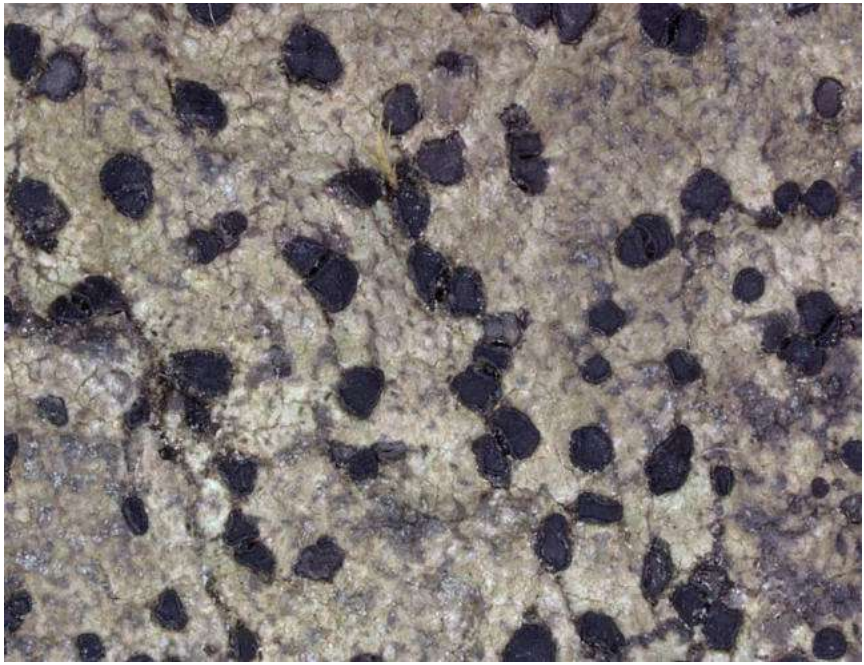


Rhizocarpon alpicola (Fr.) Rabenh.

PYRONEMATACEAE



Rhizocarpon concentricum (Davies) Beltram



Rhizocarpon infernulum (Nyl.) Lynge

PYRONEMATACEAE



Rhizocarpon geminatum Körb. Syst.



Rhizocarpon geographicum (L.) DC.

PYRONEMATACEAE



Rhizocarpon grande (Flörke ex Flot.) Arnold.



Rhizocarpon lavatum (Ach.) Hazsl.

PYRONEMATACEAE



Rhizocarpon lecanorinum Anders.



Rhizoplaca melanophthalma (DC.) Leuckert

PYRONEMATACEAE



Rhizocarpon reductum Th.Fr.

RUSSULACEAE



Lactarius alnicola A.H.Sm.

RUSSULACEAE



Lactarius deliciosus (L. ex Fr.) S.F.Gray



Lactarius indigo (Schwein.) Fr.

RUSSULACEAE



Lactarius rubidus Bull.



Lactarius rufulus Peck.

RUSSULACEAE



Lactarius subzonarius Hongo



Lactarius sanguifluus (Paulet) Fr.

RUSSULACEAE



Lactarius torminosus (Schaeff.) Gray



Lactarius volemus (Fr.) Kuntze

RUSSULACEAE



Lactifluus corrugis (Peck) Kuntze



Lactifluus deliciosus (L.) Kuntze

RUSSULACEAE



Lactifluus piperatus (L.) Roussel



Russula compacta Frost.

RUSSULACEAE



Russula delica Fr.



Russula densifolia Secr. ex Gillet

RUSSULACEAE



Russula emetic (Schaeff.) Pers.



Russula nigricans (Bull.) Fr.

RUSSULACEAE



Russula rosea Pers.



Russula sanguinaria (Schumach.) Rauschert.

RUTSTROEMIACEAE



Rutstroemia bolaris (Batsch) Rehm.



Rutstroemia bulgarioides (P. Karst.) P. Karst.

RUTSTROEMIACEAE



Rutstroemia calopus (Fr.) Rh.



Rutstroemia conformata (P.Karst.) Nannf.

RUTSTROEMIACEAE



Rutstroemia coracina (Durieu & Lév.) Dennis



Rutstroemia elatina (Alb. & Schwein.)

RUTSTROEMIACEAE



Rutstroemia firma (Pers.) P.Karst.



Rutstroemia fruticeti Rehm

RUTSTROEMIACEAE



Rutstroemia henningsiana (Plöttn.) Dennis.



Rutstroemia lindaviana (Kirschst.) Dennis.

RUTSTROEMIACEAE



Rutstroemia maritime (Pers.) P.Karst.



Rutstroemia petiolorum (Roberge ex Desm.) W.L. White

SARCOSCYPHACEAE



Sarcoscypha austriaca (Beck ex Sacc.) Boud.



Sarcoscypha coccinea (Scop.) Lambotte

SARCOSCYPHACEAE



Sarcoscypha dudleyi (Peck) Baral



Sarcoscypha jurana (Beck ex Sacc.) Boud.

SARCOSCYPHACEAE



Sarcoscypha occidentalis (Schwein.) Sacc.

SCHIZOPHYLLACEAE



Schizophyllum amplum (Lév.) Nakasone

SCHIZOPHYLLACEAE



Schizophyllum commune Fr.



Schizophyllum umbrinum Berk.

SCLEROTINIACEAE



Ciboria amentacea (Balb.) F.



Ciboria batschiana (Zopf) N.F.Buchw

SCHIZOPHYLLACEAE



Ciboria caucus (Rebent.) Fuckel.



Ciboria rufofusca (O.Weberb.) Sacc.

SEBACINACEAE



Craterocolla cerasi (Schumach.) Sacc.

SPARASSIDACEAE



Sparassis americana R. H. Petersen

SPARASSIDACEAE



Sparassis brevipes (Schwein.) Fr.



Sparassis crépu (Wulfen) Fr.

SPARASSIDACEAE



Sparassis crispa (Wulfen) Fr.



Sparassis laminose (Schwein.) Fr.

SPARASSIDACEAE



Sparassis radicata (Wulfen) Ehrenb.



Sparassis spathulata (Schwein.) Fr.

STROPHARIACEAE



Hypholoma aurantiaca (Cooke) M. Imai.



Hypholoma capnoides (Fr.) P.Kumm.

SPARASSIDACEAE



Hypholoma dispersum Quél.



Hypholoma fasciculare (Huds.:Fr.) P.Kumm.

SPARASSIDACEAE



Hypholoma lateritium (Schaeff.) P. Kumm.



Hypholoma marginatum J. Schröt.

SPARASSIDACEAE



Hypholoma subviride (Fr.) P. Kumm.



Hypholoma tuberosum Redhead & Kroeger

SPARASSIDACEAE



Protostropharia luteonitens (Fr.) Redhead.



Protostropharia semiglobata (Batsch) Red., Moncalvo & Vilgays

SUILLACEAE



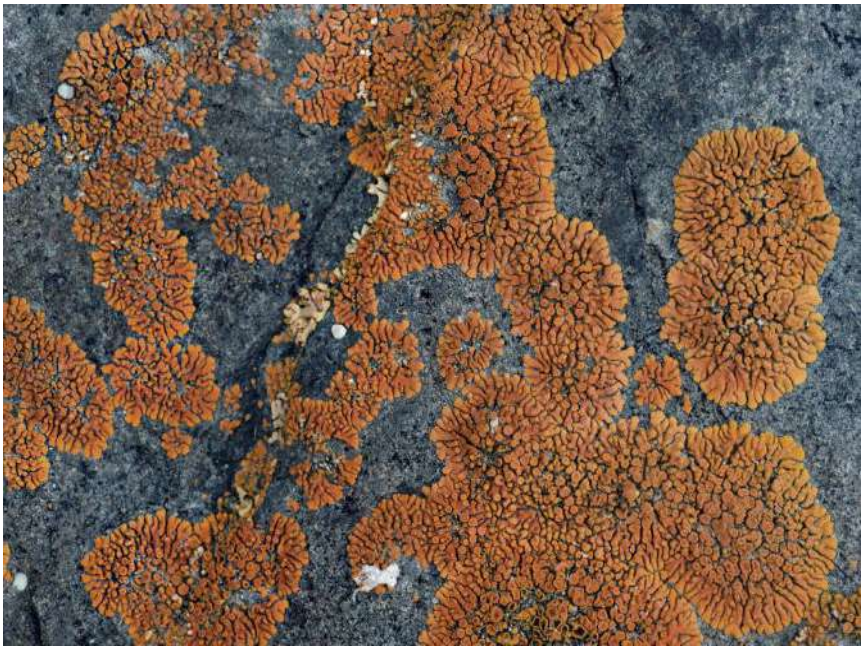
Suillus pictus (Peck) A.H. Sm. & Thiers

TELOSCHISTACEAE



Xanthoria candelaria (L.) Th. Fr.

TELOSCHISTACEAE



Xanthoria elegans (Link) Th.Fr.



Xanthoria fallax (Hepp ex Arnold) Arnold

TELOSCHISTACEAE



Xanthoria parietina (L.) Th.Fr



Xanthoria polycarpa (Hoffm.) Th. Fr. ex. Rieber.

TREMELLACEAE



Pseudohydnum gelatinosum (Scop.) P.Karst.



Tremella fuciformis Berk.

TRICHOLOMATACEAE



Clitocybe gibba (Pers.) P. Kumm.



Clitocybe nuda (Bull.) H.E.Bigelow & A.H.Sm.

TRICHOLOMATACEAE



Clitocybe rivulosa (Pers.) P. Kumm.



Resupinatus alboniger (Pat.) Singer.

TRICHOLOMATACEAE



Resupinatus applicatus (Batsch) Gray



Resupinatus trichotis (Pers.) Singer.

TRICHOLOMATACEAE



Tricholoma matsutake (S.Ito & Imai) Singer



Tricholoma sejunctum (Sowerby) Quél.

TRICHOLOMATACEAE



Tricholomopsis rutilans (Schaeff. Fr.) Sing.

TUBARIACEAE



Tubaria confragosa (Fr.) Harmaja

TRICHOLOMATACEAE



Tubaria conspersa (Pers.) Fayod.



Tubaria furfuracea (Pers) Gil.

TRICHOLOMATACEAE



Tubaria hiemalis Romagn. ex Bon



Tubaria punicea (A.H.Sm. & Hesler) Am., Math. & P.-A.Mor.

TRICHOLOMATACEAE



Tubaria romagnesiana Arnolds.

XYLARIACEAE



Xylaria hypoxylon (L.) Grev.

XYLARIACEAE



Xylaria longipes Nits.



Xylaria nigripes (Koltz.) Co.

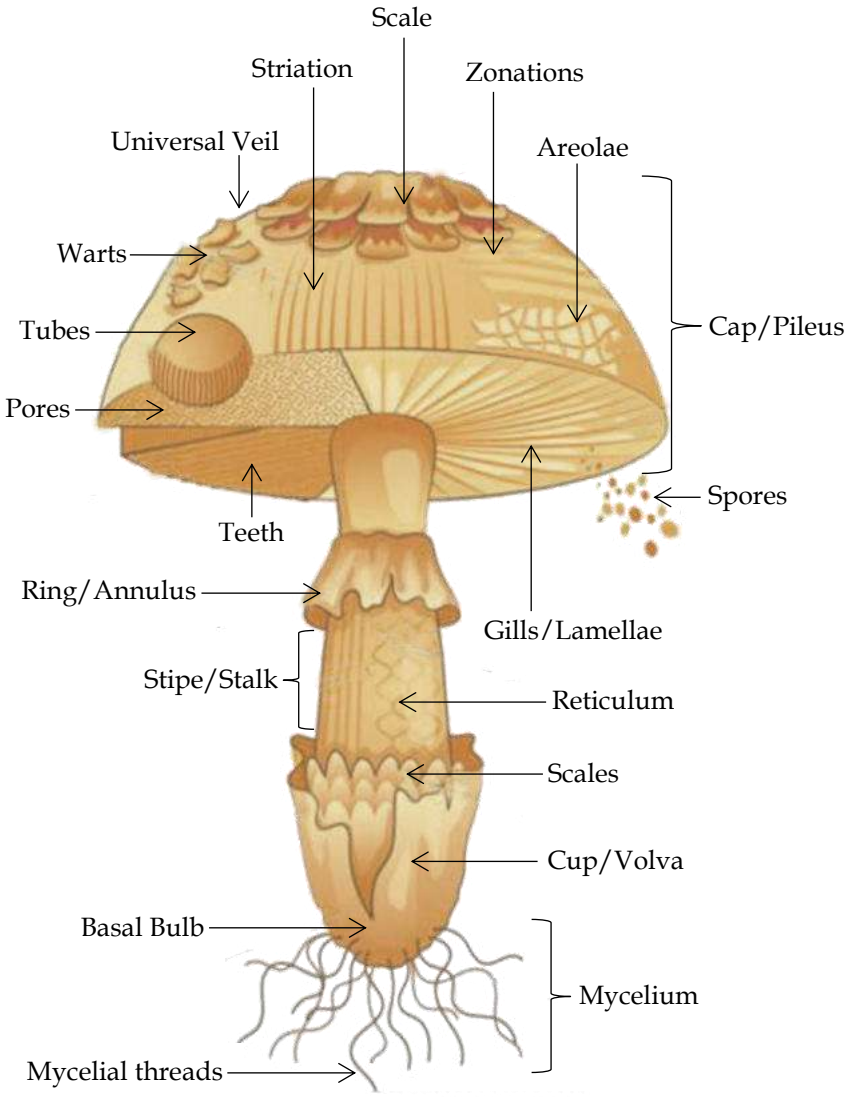
XYLARIACEAE



Xylaria polymorpha (Pers.) Grev.



Xylaria stroma (L.) Grev.



PHYSICAL STRUCTURE

DZONGKHA INDEX

ཀ་ཤིང་ཤ་སྨུ། ༡༣༢
ཀེ་ཤ་ལོ་ཤ། ༢༥༣
ཀོཁ་ཤ་སྨུ། ༩༩
གངས་དགའ་ཤ་རྩྭ། ༡༢ཅ
གདུང་ཤིང་ཤ་སྨུ། ༥༣
ཆྱོད་ཤ་སྨུ། ༡༥༠
ཁྲང་ཤ་སྨུ། ༢༢ཅ
ངང་པའི་ཤོངས་ཤ་མོ། ༢ཅ
ཉིང་ཤ་སྨུ། ༨ཅ
དབྱར་རྩྭ་དགུན་འབྲུ། ༡ཅ༢
ནགས་སྐྱེས་ཤ་སྨུ། ༡༢༨
པང་ཐོད་ཤ་སྨུ། ༩
ཕགས་ཤ་སྨུ་རིགས་དང་པོ། ༩༡
ཕགས་ཤ་སྨུ། ༣༨
ཕྱ་ཆོད་ཤ་སྨུ། ༣༣
བཙ་ཤ་སྨུ། ༣༨
བྱ་ཚང་ཤ་སྨུ། ༡༥༨
བྱི་ཁུང་ཤོང་རུ་རིགས་དང་པོ། ༨༥
བྱི་ཁུང་ཤོང་རྩྭ། ༨༥
བྱི་ལི་རྣམ་ཅོག་ཤ་སྨུ། ༢ཅ
བྱིས་ཤིང་གདུང་ཤིང་ཤ་སྨུ། ༥ཅ
བྱིས་ཤིང་རུ་རྩྭ། ༡༣༡
མེ་ཏོག་ཤ་སྨུ། ༡༩༥
མེ་ཏོག་ཤ་སྨུའི་རིགས། ༡ཅ༥
ཙོང་ཙི་རིང་ཤ་སྨུ། ༢ཅ༡
ཚོ་ལུ་ཤ་སྨུ། ༥ཨ
ཡིད་དགའ་ཤ་སྨུ། ༢ཅ་
ར་ཡོད་རྒྱ་ཚོ་ཤ་སྨུ། ༡ཅཅ
ལུད་ཤ་སྨུ། ༤
ལྷེ་ཤ་སྨུ། ༡༡ཅ
ལངས་རྒྱལཤ་སྨུ། ༢༥ཅ
ལི་ལི་ཤ་སྨུ། ༡ཅཅ
ལི་ཝི་ཤ་སྨུ། ༩༥
ལེའུ་ཤིང་ཤ་སྨུ། ༣༢
ལོ་སྐྱེས་ཤ་སྨུ། ༡ཅ༠
ལོཀཀེ་ཤ་སྨུ། ༡ཨ་
སྐ་ཤ་སྨུ། ༢༢ཨ
སྐོང་སེང་ཤ་སྨུ། ༡ཅ
སྐྱག་ཤ་སྨུ། ཅ༤
སྤོ་ཤ་སྨུ། ༡ཅ༥
སྤྱལ་ཁྱགས། ༡༣༠
ཞེ་ཏོག་ཤ་སྨུ། ༡༡ཅ
ཞོམ་ཤ་སྨུ། ༢༢ཅ

SCIENTIFIC INDEX

Agaricus augustus 2
bisporus 2
blazei 3
campestris 3
muscarius 4
Albatrellus caeruleoporus 17
Aleuria aurantia 215
Amanita caesarea 18
flavoconia 18
flavoconia var. *flavoconia* 19
hemibapha 19
hemibapha var. *ochracea* 20
muscaria 20
ocreata 21
pantherina 21
phalloides 22
rubrovolvata 22
vaginata 23
verna 24
virosa 23
Armillaria bulbosa 179
gallica 179
mellea 180
ostoyae 180
tabescens 181
Ascobolus immerses 25
scatigenus 26
stercorarius 26
Ascocoryne cylichnium 98
sarcoides 98
solitaria 99
Aureoboletus thibetanus 36
Auricularia auricular 27
auricula-judae 27
cornea 28
fuscosuccinea 28
mesenterica 29
nigricans 29
Boletellus emodensis 36
Boletus aereus 37
aurantiacum 37
badius 38
bicolor 38
cf. eduzis 39
edulis 39
ornatipes 40
regius 40
reticulates 41
satanas 41
versipellis 42
Bondarzewia berkeleyi 43
monticola 44
occidentalis 44
Byssonectria fusispora 216
Byssonectria terrestris 216
Calvatia gigantea 4
Cantharellus appalachiensis 45
californicus 45
cibarius 46
cinnabarinus 46
formosus 47
pallens 47
phasmatis 48
roseocanus 48
subalbidus 49
texensis 49
Catathelasma imperiale 33
Cenangium ferruginosum 99
Ciboria amentacea 242
batschiana 242
caucus 243
rufofusca 243
Clathrus archeri 174
columnatus 174
crispus 175
ruber 175
Clavaria fragilis 54
zollingeri 55
Clavariadelphus pistillaris 95
Clavulina amethystina 59
cinerea 60
coralloides 60
cristata 61
rugosa 61
Clavulinopsis amoena 55
aurantiocinnabarina 56
corniculata 56
fusiformis 57
helvola 57
laeticolor 58

miniata 58
miyabeana 59
Clitocybe gibba 257
nuda 257
rivulosa 258
Clitopilus prunulus 78
Coltricia cinnamomea 114
montagnei 114
perennis 115
Coprinellus angulatus 211
bipellis 211
disseminates 212
domesticus 212
flocculosus 213
impatiens 213
micaceus 214
truncorum 214
Coprinus atramentarius 215
comatus 5
Coprobia granulata 217
Cortinarius alboviolaceus 62
archeri 63
caperatus 63
emodensis 64
orellanus 64
rotundisporus 65
rubellus 65
semisanguineus 66
splendens 66
violaceus 67
Craterellus aurora 50
cinereus 50
cornucopioides 51
fallax 51
foetidus 52
ignicolor 52
lutescens 53
odoratus 53
tubaeformis 54
Craterocolla cerasi 244
Crucibulum leave 169
vulgare 169
Cystoderma amianthinum 5
granulosum 6
Dacrymyces chrysospermus 69
Daedaleopsis confragosa 194
septentrionalis 195
tricolor 195
Datronia caperata 196
glabra 196s
mollis 196
scutellata 197
stereoides 197
Diatrype bullata 72
disciformis 72
stigma 73
virescens 73
Diatrypella favacea 74
quercina 74
Exidia glandulosa 30
nigricans 30
nucleate 31
pithya 31
plana 32
recisa 32
repanda 33
Filoboletus gracilis 156
manipularis 156
Fistulina hepatica 79
Flammulina populicola 181
velutipes 182
Fomitopsis betulina 79
cajanderi 80
dochmia 80
meliae 81
officinalis 81
palustris 82
pini-canadensis 82
pinicola 83
rosea 83
subfeei 84
Ganoderma applanatum 86
boninense 86
lucidum 87
resinaceum 87
sessile 88
Geastrum britannicum 88
fimbriatum 89
fornicatum 89
minimum 90

pectinatum 90
rufescens 91
saccatum 91
schmidelii 92
triplex 92
Gomphus clavatus 95
Grifola frondosa 145
Gymnopilus aeruginosus 120
allantopus 121
braendlei 121
dilepis 122
junonius 122
luteofolius 123
purpuratus 123
viridans 124
Gymnopus acervatus 134
brassicolens 134
confluens 135
dryophilus 135
erythropus 136
iocephalus 136
luxurians 137
peronatus 137
spongiosus 138
Gyromitra ambigua 75
caroliniana 75
esculenta 76
gigas 76
infula 77
korfii 77
Helvella acetabulum 101
atra 101
chinensis 102
crispa 102
dryophila 103
elastic 103
lacunose 104
leucomelaena 104
macropus 105
queletii 105
solitaria 106
vespertina 106
Hericium erinaceus 107
Hydnum albidum 107
albomagnum 108
imbricatum 108
oregonense 109
peckii 109
repandum 110
rufescens 110
umbilicatum 111
Hygrocybe conica 112
miniata 113
Hygrophoropsis aurantiaca 113
Hygrophorus russula 112
Hypholoma aurantiaca 248
capnoides 248
dispersum 249
fasciculare 249
lateritium 250
marginatum 250
subviride 251
tuberosum 251
Hypoxylon canker 124
fragiforme 125
multiforme 125
perforatum 126
rubiginosum 126
Infundibulicybe gibba 115
Inonotus cuticularis 116
dryadeus 116
glomeratus 117
hispidus 117
nodulosus 118
obliquus 118
radiatus 119
rheades 119
rickii 120
Isaria tenuipes 62
Laccaria amethystina 111
Lachnellula abietis 127
agassizii 128
occidentalis 128
subtilissima 129
willkommii 129
Lactarius alnicola 222
deliciosus 223
indigo 223
rubidus 224
rufulus 224

sanguifluus 225
subzonarius 225
torminosus 226
volemus 226
Lactifluus corrugis 227
deliciosus 227
piperatus 228
Laetiporus cincinnatus 84
gilbertsonii 85
sulphureus 85
Laurobasidium lauri 78
Leccinum holopus 43
versipelle 42
Lentinula boryana 170
edodes 170
lateritia 171
raphanica 171
Lentinus squarrosulus 198
Leucocoprinus birnbaumii 6
brebissonii 7
cepistipes 7
cretaceous 8
ianthinus 8
straminellus 9
tricolor 9
Lobaria oregano 130
pulmonaria 130
scrobiculata 131
Lycoperdon nigrescens 10
perlatum 10
pretense 11
pulcherrimum 11
pyriforme 12
umbrinum 12
Lyophyllum aggregatum 131
shimeji 132
Macrolepiota albuminosa 13
bonaerensis 13
clelandii 14
dolichaula 14
excoriate 15
mastoidea 15
procera 16
rachodes 16
venenata 17
Marasmius androsaceus 138
elegans 139
haematocephalus 139
oreades 140
plicatulus 140
rotula 141
siccus 141
tageticolor 142
Merismodes anomala 168
fasciculata 168
Microporus affinis 199
flabelliformis 199
vernicipes 200
xanthopus 200
Mitrula elegans 100
paludosa 100
Mollisia cinerea 69
discolor 70
ligni 70
lividofusca 71
melaleuca 71
Morchella angusticeps 150
conica 150
deliciosa 151
diminutive 151
elata 152
esculenta 152
importuna 153
punctipes 153
rufobrunnea 154
snyderi 154
tomentosa 155
umbrina 155
Mutinus caninus 176
Mycena acicula 157
amicta 157
chlorophos 158
cyanorrhiza 158
epipterygia 159
galericulata 159
interrupta 160
luxaeterna 160
renati 161
Nectria cinnabarina 165
coccinea 166

ditissima 166
inventa 167
peziza 167
Neolentinus adhaerens 93
kauffmanii 93
lepideus 94
ponderosus 94
Neonectria ditissima 165
Omphalotus illudens 142
japonicus 143
mexicanus 143
nidiformis 144
olearius 144
olivascens 145
Ophiocordyceps sinensis 172
Panaeolus antillarum 34
cinctulus 34
foenisecii 35
papilionaceus 35
Panellus longinquus 161
mitis 162
pusillus 162
ringens 163
serotinus 163
stipticus 164
violaceofulvus 164
Panus fasciatus 201
lecomtei 201
neostrigosus 202
rudis 202
Parmelia perlata 172
saxatilis 173
Parmelina quercina 173
Phallus impudicus 176
indusiatus 177
multicolor 177
rubicundus 178
Phlebia coccineofulva 146
gigantean 146
incarnata 147
merismoides 147
radiata 148
rufa 148
subserialis 149
tremellosa 149
Phyllotopsis nidulans 178
Pleopsidium chlorophanum 1
flavum 1
Pleurotus citrinopileatus 186
cornucopiae 187
cornucopiae var.
citrinopileatus 187
djamor 188
eryngii 188
florida 189
ostreatus 189
pulmonarius 190
sajor-caju 190
Plicaturopsis crispa 24
nivea 25
Pluteus americanus 191
brunneidiscus 191
cyanopus 192
exilis 192
phaeocyanopus 193
salicinus 193
villosus 194
Polyporus alveolaris 203
arcularius 203
badius 204
brumalis 204
squamosus 205
tricholoma 205
varius 206
Protostropharia luteonitens 252
semiglobata 252
Pseudohydnum gelatinosum 256
Ramaria asiatica 96
botrytis 96
violaceibrunnea
var.*asiatica 97*
Resupinatus alboniger 258
applicatus 259
trichotis 259
Rhizocarpon alpicola 217
concentricum 218
geminatum 219
geographicum 219
grande 220
infernulum 218

lavatum 220
lecanorinum 221
reductum 222
melanophthalma 221
Rozites emodensis 67
Russula compacta 228
delica 229
densifolia 229
emetic 230
nigricans 230
rosea 231
sanguinaria 231
Rutstroemia bolaris 232
bulgarioides 232
calopus 233
conformata 233
coracina 234
elatina 234
firma 235
fruticeti 235
henningsiana 236
lindaviana 236
maritime 237
petiolorum 237
Sarcoscypha austriaca 238
coccinea 238
dudleyi 239
jurana 239
occidentalis 240
Schizophyllum amplum 240
commune 241
umbrinum 241
Sparassis americana 244
brevipes 245
crépu 245
crispa 246
laminose 246
radicata 247
spathulata 247
Spathularia flavida 68
Spathulariopsis velutipes 68
Strobilurus albipilatus 182
conigenoides 183
esculentus 183
occidentalis 184
ohshimae 184
stephanocystis 185
tenacellus 185
trullisatus 186
Suillus pictus 253
Termitomyces eurrhizus 132
heimii 133
microcarpus 133
Thamnolia vermicularis 127
Trametes cubensis 206
elegans 207
hirsute 207
lactinea 208
ochracea 208
pubescens 209
suaveolens 209
versicolor 210
villosa 210
Tremella fuciformis 256
Tricholoma matsutake 260
sejunctum 260
Tricholomopsis rutilans 261
Tubaria confragosa 261
conspersa 262
furfuracea 262
hiemalis 263
punicea 263
romagnesiana 264
Turbinellus floccosus 97
Xanthoria candelaria 253
elegans 254
fallax 254
parietina 255
polycarpa 255
Xylaria hypoxylon 264
longipes 265
nigripes 265
polymorpha 266
stroma 266

REFERENCE

Bhutan Biodiversity Portal, https://biodiversity.bt/

MenTsheeKhang.
1995 Thrumpay Dremae Shel Gi Melong, ChapDoe Saa Khuel MenTsheeKhang Gee Drik, MenRig PayTriuem Khang.

Mukia P.K. Karma Peldon, Sonam. Choden, Thinley. Lhamo, Yangchen. Dendup, Kuenzang and Dorji, Tsherang
June 2022 Pictorial Guide to Non-Wood Forest Products of Bhutan, SFED, DoFPS, MoAF, Thimphu and UWICER, Bumthang.

Mushroom of Bhutan-Poster
National Mushroom Centre, Semtokha, Department of Agriculture, Ministry of Agriculture and Forest, Thimphu Produced with financial support from Programme for South Cooperation and jointly produced with Istituto Nacional de Biodiversidad 975-02-351008, Printed at Kuensel Corporation, Thimphu

Mushroom of Bhutan-Poster
2017 National Mushroom Centre, Semtokha, Department of Agriculture, Ministry of Agriculture and Forest, Thimphu. Printed at Kuensel Corporation, Thimphu

Wangchuk, Tshering.
2020 A Pictorial Guide to High Altitude Medicinal Flora of Bhutan – A Concise guide to identification, First Edition, Sorig Research and Development Division, Department of Traditional Medicine Services, Ministry of Health, Thimphu, Bhutan.

