

Contents

Introduction	xxix
Fungi and fungal diseases	xxix
Fungal remedies	xxx
Keys	xxxi
Enigmatic species	xxxi
Believing is Seeing	xxxiii
Acknowledgements	xxxm
Classification Kingdom Fungi	xxxiv - xlvii
Fungal taxonomy	xlvi
Biology of Fungi	xlvi
Differences with plants	xlvi
Expansion and penetration	xlix
Reproduction	1
Spores	m
Metabolism	&
Light	liv
Growing conditions	lv
Rapidly	lv
Fungal frigidity	lv
Constant activity to maintain intimate relationship with environment	lvi
Relationship to immediate environment - settling down	lvii
Strength and survival	lix
Flexibility	kd
Colonizers	kriii
Food and alcohol	Ixv
Alcohol and urine	Ixvi
Pharmaceuticals	Ixvii
Nutritional value	Ixvii
Fungophobia	Ixviii
Fungophobic prose and poetry	lxx
Embodiment of bad properties	lxxii
Fungal lore	Ixxiii

Contents

Fungophilia	lxxv
Mushrooms of immortality	lxxvi
Sacred mushrooms	lxxvii
India	lxxvii
Crossing bridges	lxxviii
Mediators	lxxx
Dangers of fungi	lxxx
Antidotes	lxxxiii
Nothing ventured, nothing gained	lxxxiv
Like a child	lxxxv
Mycotoxins	lxxxviii
Fungal infections	xc
Allergenic fungi	xcii
Spores as allergens	xcii
Hypersensitivity pneumonitis	xciv
Clinical features	xciv
Tuberculosis	xcv
Common symptoms of three fungal remedies	xcvii
Incentives	c
Signatures/ Themes of fungi	ci
Macroscopic fleshy fungi	ci
Moulds	cii
Parasitic - endophytic fungi	cii
Wood-inhabiting fungi	ciii
Yeasts	ciii
Dimorphic fungi	civ
ORDER LYCOPERDALES	3
Family Lycoperdaceae	3
Bovista	3
Puffballs	5
Umbilical cord	7
Bleeding	8
Rupture	8
Future	9
Clinical manifestations	10

Contents

Lycoperdonosis	11
Therapeutics	11
Aluminium	12
Materia Medica	13
ORDER PHALLALES	19
Family Phallaceae	19
Phallus impudicus	19
Special features	20
Speed and force	20
Stench	20
Impudicity	22
Clinical manifestations	24
Ingredients of stench	24
Therapeutics	25
Aphrodisiac	26
Materia Medica	27
ORDER SCLERODERMATALES	29
Family Sclerodermaceae	29
Scleroderma citrinus	29
Clinical manifestations	30
ORDER AGARICALES	33
Family Agaricaceae	33
Agaricus bisporus	33
Clinical manifestations	34
Agaricus blazei	36
History	37
Growth requirements	38
Benzoic acid	38
Beta-glucans	39
Reduction of adverse effects of orthodox cancer treatment	40
Homeostasis	41
Side effects	41
Homeopathy	42
Agaricus campestris	43

Contents

Heavy metals	43
Materia Medica	44
Family Amanitaceae	45
Amanitas	45
Agaricus citrinus [Amanita citrina]	45
Clinical manifestations	46
Toads and toadstools	46
Materia Medica	47
Agaricus gemmata [Amanita gemmata; <i>see</i> Agaricus procerus]	115
Agaricus muscarius [Amanita muscaria]	48
Clinical manifestations	49
Key components	51
Two sides	51
Macropsia	52
Micropsia	53
Increased strength - battle frenzy	54
Violence or non-violence	56
Adversity changed into triumph	57
Enterprising	59
Sense of danger	61
Death-dreamer	61
Fly-induced activity	62
Mutual benefit	63
Agaricus pantherinus [Amanita pantherina]	65
Amanitas containing ibotenic acid/muscimol	65
Clinical manifestations	66
Ibotenic acid/ muscimol	68
Experiment	69
[Un] reality	71
Materia Medica	72
Agaricus phalloides [Amanita phalloides]	74
Clinical manifestations	75
Two types	76
Poisoning cases	76
Materia Medica	77
Agaricus rubescens [Amanita rubescens]	80
Clinical manifestations	80

Contents

Agaricus vernus [Amanita verna]	81
Clinical manifestations	82
Muscarinum	86
Clinical manifestations	86
PSL - SLUDGE	87
Materia Medica	89
Family Coprinaceae	92
Agaricus campanulatus [Panaeolus campanulatus]	92
Dung	93
Clinical manifestations	94
Laughing mushrooms	94
Symptoms	95
More hilarity	95
Out of tune with reality	97
Materia Medica	98
Coprinus atramentarius	100
Special features	100
Autolysis	101
Fragility	101
Ink	101
Attila the Hun	101
Challenging Coprinus	102
Cooked or uncooked	103
Clinical manifestations	104
Symptoms [after alcohol]	105
Materia Medica	106
Family Cortinariaceae	108
Cortinarius orellanus	108
Clinical manifestations	109
Aluminium	110
Gymnopilus spectabilis	111
Clinical manifestations	111
Exhilaration	114
Family Lepiotaceae	115
Agaricus procerus [Macrolepiota procera]	115
Materia Medica	115
Look-alikes	116

Contents

Chlorophyllum molybdites	119
Clinical manifestations	120
Family Paxillaceae	122
Paxillus involutus	122
Clinical manifestations	122
Family Russulaceae	124
Agaricus emeticus [Russula emetica]	124
Brittle	125
Clinical manifestations	125
Materia Medica	125
Russula foetens	128
Clinical manifestations	128
Materia Medica	128
Family Strophariaceae	130
Agaricus semiglobatus [Stropharia semiglobata]	130
Identification	130
Materia Medica	131
Agaricus stercorearius [Stropharia stercorearia]	132
Materia Medica	133
Psilocybe caerulescens	135
Clinical manifestations	136
Doom	137
Materia Medica	138
Psilocybe semilanceata	145
Clinical manifestations	146
Nature awareness	148
Focus	148
Travels in the universe of the soul	149
Poisoning case	151
Materia Medica	154
Family Tricholomataceae	158
Armillaria mellea	158
Parasitic symbiont	159
Shoestrings	160
Bioluminescence	160
Therapeutics	161
Expansionism	163

Contents

Lentinula edodes [Shiitake]	164
Therapeutics	165
Clinical manifestations	168
Materia Medica	170
Omphalotus illudens [Jack O'Lantern mushroom]	174
Ghosts and moon nights	175
Clinical manifestations	175
Cancer	176
Pleurotus ostreatus [Oyster Mushroom]	178
Preying on worms	179
Cholesterol	179
Haemopoiesis - haemolysis	180
Therapeutics	181
Tricholoma spp.	182
Tricholoma pardinum	182
Tricholoma sejunctum	182
Tricholoma sulphureum	183
Tricholoma pessundatum	183
Tricholoma muscarium	184
Tricholomic acid	185
Tricholoma matsutake	185
ORDER APHYLLOPHORALES [POLYPORALES]	188
Family Ganodermataceae	188
Ganoderma lucidum [Reishi]	188
Longevity	189
Mystery and secrecy	191
Transformation	191
Therapeutics	193
Active constituents	195
Clinical manifestations	197
Family Polyporaceae	199
Polypores	199
Medical merits	200
Polyporus officinalis [Fomitopsis officinalis]	202
History	203
Therapeutics	204

Contents

Materia Medica	205
Agaricum acidum [Agaricin]	208
Materia Medica	208
Polyporus pinicola [Fomitopsis pinicola]	209
Therapeutics	210
Materia Medica	210
Grifola frondosa	213
Therapeutics	214
Inonotus obliquus	216
Therapeutics	217
Birch - beginning and end	218
Piptoporus betulinus	220
Deathbed	221
Therapeutics	221
Pycnoporus sanguineus	223
Therapeutics	223
Materia Medica	224
Trametes versicolor	232
Trametes [syn. Boletus] suaveolens	233
Therapeutics	234
ORDER BOLETALES	236
Family Boletaceae	236
Boletus edulis	236
King	237
Boletivores	239
Clinical manifestations	240
Therapeutics	241
Boletus luridus	242
Materia Medica	242
Boletus satanas	244
Clinical manifestations	244
Materia Medica	245
Lenz	247
Bolete boldness	248

Contents

ORDER CANTHARELLALES	252
Family Cantharellaceae	252
<i>Cantharellus cibarius</i>	252
Special features	253
Canthaxanthin	254
 ORDER HYMENOGYSALES	 256
Family Hymenochaetaceae	256
<i>Phellinus nigricans</i>	256
Special features	257
 ORDER AURICULARIALES	 258
Family Auriculariaceae	258
<i>Auricularia polytricha</i> / <i>auricula</i>	258
Clinical features	259
Jew's Ear	260
 ORDER TREMELLALES	 262
Family Filobasidiaceae	262
<i>Cryptococcus neoformans</i>	262
Cryptococcosis	264
CNS cryptococcosis	264
Clinical manifestations	266
Dimorphism	267
<i>Pityrosporum orbiculare</i>	268
Pityriasis	269
Seborrhoea and dandruff	269
Atopic eczema / dermatitis	271
Psoriasis or <i>Melitagrimum</i> ?	272
Family Tremellaceae	275
<i>Tremella fuciformis</i>	275
Traditional and medical use	276
 ORDER USTILAGINALES	 278
Family Sporidiobolaceae [Sporobolomycetaceae]	278
<i>Sporobolomyces</i>	278
Features of the genus <i>Sporobolomyces</i>	278

Contents

Sporobolomyces roseus	279
Sporobolomyces salmonicolor	280
Features	280
Family Ustilaginaceae	281
Ustilago maydis	281
Smuts or Dust-Brands	283
Therapeutics	284
Materia Medica	285
Cases	291
SUBPHYLUM ASCOMYCOTA [Sac Fungi]	295
Series Unitunicatae-Operculatae	295
ORDER PEZIZALES	295
Family Discinaceae [Helvellaceae]	295
Gyromitra esculenta	296
Toxins	297
Clinical effects	297
Case reports	299
Neurotoxicity	301
Materia Medica	302
Family Morchellaceae	305
Morchella esculenta	305
Concealment and glory	306
Clinical manifestations	307
Family Tuberaceae	308
Tuber melanosporum	308
Features of truffles	308
Truffle species	309
Truffle hunters	310
Pheromones	311
Dimethyl sulfide	313
Le'Tartuffe	314
Series Unitunicatae-Inoperculatae	316
ORDER CLAVICIPITALES	316
Family Clavicipitaceae	316
Claviceps	316

Contents

Features of the genus <i>Claviceps</i>	317
<i>Secale cornutum</i> [<i>Claviceps purpurea</i>]	318
History	319
Possession - holy or hellish	320
Ergotism	321
Medically induced ergotism	323
Food-borne ergotism	324
Adverse effects	325
Ergotamine	325
Demeter	326
Wolves	328
Demeter: Nurturer and Mother	330
Dangerous world	331
Kent's picture of <i>Secale</i>	332
Perils of procreation [Cases]	332
Ergotinum	336
Materia Medica	336
Clinical picture	337
Hyderginum	339
Dementia	339
Cognitive impairment	341
Concept	342
LSD	344
Origin	344
First self-experiment by a psychiatrist	346
Therapy	348
Main therapeutic applications	349
Adverse reactions	349
Bliss	352
Flashbacks	352
Visual or visionary perception	353
Like a child	355
Materia Medica	356
Methysergidum	366
Adverse reactions	367
Materia Medica	369
Cordyceps	371

Contents

Features of the genus <i>Cordyceps</i>	371
Species	371
<i>Cordyceps militaris</i>	372
<i>Cordyceps sinensis</i>	374
Therapeutics	374
Traditional	374
Performance	374
Pulmonary disorders	375
Studies	377
Constituents	377
Adverse effects	378
Materia Medica	378
<i>Cyclosporinum</i>	379
Metamorphosis	379
Immunosuppression	382
Adverse reactions	382
Materia Medica	383
<i>Neotyphodium lolii</i>	392
Features of the genus	392
Toxins	393
Moves, shakes & staggers	393
Reproduction and vasoconstriction	395
Sleepygrass and drunken horse grass	395
<i>Lolium temulentum</i>	397
Plant	397
Poisoning	397
Fungus in <i>Lolium</i>	399
Clinical manifestations	400
Materia Medica	401
Cases	406
First case	406
Second case	409
Signatures	410
Hands On, Hands Off	412
ORDER HYPOCREALES	413
Family Hypocreaceae	413

Contents

Fusarium	413
Features of the genus Fusarium	413
Fusarium mycotoxins	415
History	415
Toxins	415
Clinical manifestations	416
Occurrence	417
Fusarium graminearum	418
Protein	418
Growth	419
Sex	420
Oestrogenic syndrome	420
Similarities with DES	422
Fusarium oxysporum	425
Parasite	425
Requirements	425
Fusariosis	426
Trauma	426
Symptoms	426
Disseminated infection	426
Forma specialis and bio-bombing	428
Fusarium sporotrichioides	430
Fusarium mycotoxicosis	430
Alimentary Toxic Aleukia	432
Yellow Rain	435
Clinical manifestations	436
Family Nectria	438
Nectria ditissima [Nectrianinum]	438
Materia Medica	439
ORDER LEOTIALES	441
Family Sclerotiniaceae	441
Botrytis cinerea	441
Special features	442
Noble rot	443
Allergy	443

Contents

ORDER MICROASCALES	445
Family Microascaceae	445
Pseudallescheria boydii [Acladium castellani]	445
Pseudalleschiasis	446
ORDER SORDARIALES	449
Family Lasiosphaeriaceae [Arthrimum arundinis]	449
Intoxication	449
Series: Prototunicatae	451
ORDER EUROTIALES	451
Family Trichocomaceae	452
Aspergillus	452
Features of the genus Aspergillus	452
Mycotoxins	453
Aspergillus bronchialis	455
Aspergillus candidus	455
Kojic acid	456
Aspergillus flavus	457
Growing conditions	458
Aflatoxins	458
Aspergillus fumigatus	462
Infection	462
Aspergillosis	463
Fumagillin	465
Aspergillus niger	466
Copper	467
Infection	467
Materia Medica	467
Penicillium	469
Features of the genus Penicillium	469
Allergies	470
The king and queen of psora	474
Anaphylactic shock	474
Other adverse reactions	475
Penicilliosis	475
Penicillium camemberti	476

Contents

Mycotoxins	476
Penicillium chrysogenum	477
Mycotoxins	477
Penicillium cyclopium	478
Mycotoxins	478
Penicillium expansum	480
Mycotoxins	481
Materia Medica	481
Penicillium griseum	483
Mycotoxins	483
Penicillium griseofulvum	483
Griseofulvin	484
Adverse reactions	484
Penicillium notatum	486
Mycotoxins	486
Penicillium piceum	486
Penicillium roqueforti	487
Mycotoxins	488
Effects	488
Penicillinum [Benzylpenicillin Sodium]	490
Adverse reactions	490
Materia Medica	491
 ORDER ONYGENALES	 496
Family Arthrodermataceae	496
Trichophyton	496
Features of the genus Trichophyton	496
Ringworm	497
History	498
Manifestations	500
ID Reaction	502
Rubrics in Fungal Infections	502
Constitutional state	503
Cats and dogs	504
Exclusion	505
Skin	506
Favus.	508

Contents

Trichophyton depressum	510
Kerion	510
Trichophyton persearum [= persicolor]	511
Trichophyton rubrum	512
Trichophyton tonsurans	513
Ringworm	514
Miasm	514
Proving	515
Dreams	515
Themes	517
Family Onygenaceae	519
Blastomyces dermatitidis	519
Blastomycosis	520
Clinical forms	520
Coccidioides immitis	522
Coccidioidomycosis	523
Clinical forms	524
Geomyces pannorum [Aleurisma lugdunense]	527
Skin infections	528
Histoplasma capsulatum	529
Bats and starlings	530
Histoplasmosis	530
Clinical forms	531
Symptoms	532
Paracoccidioides brasiliensis	534
Paracoccidioidomycosis	535
ORDER OPHIOSTOMATALES	537
Family Ophiostomataceae	537
Sporothrix schenckii	537
Sporotrichosis	538
Cutaneous sporotrichosis	538
Lymphocutaneous sporotrichosis	539
Pulmonary sporotrichosis	540
Sporotrichosis arthritis	540
Disseminated sporotrichosis	541
Syphilitic miasm	541

Contents

Series Bitunicatae	543
ORDER DOTHIDEALES	543
Family Dematiaceae	543
Stachybotrys chartarum	543
History	544
Stachybotryotoxicosis	545
Family Dothioraceae	547
Aureobasidium pullulans	547
Allergen	548
Hortaea werneckii [Cladosporium metanigrum]	550
Dermatomycosis	551
Family Pleosporaceae	552
Alternaria alternata	552
Toxins	553
Pathogenicity	553
Allergies	554
ORDER SACCHAROMYCETALES [ENDOMYCETALES]	555
Family Ascoideaceae	555
Candida	555
Features of the genus Candida	555
Candida albicans	556
Nomenclature	557
Candidiasis	557
Manifestations	558
Types of Candidiasis of skin and mucosa	558
Types of Invasive Candidiasis	560
Thrush	562
Candida Hypersensitivity Syndrome	564
Symptoms	565
Allergies	566
Psychological profile	567
Die-off reactions	569
Materia Medica	572
Key components	572
Clinical symptoms	575
Candida kefyr	578

Contents

Candida parapsilosis	578
Clinical features	579
Materia Medica	579
Family Saccharomycetadeae	582
Kloeckera apiculata	582
Family Saccharomycetaceae	584
Kluyveromyces marxianus	584
Lactose - lactase	585
Lactose intolerance	585
Kefir	586
Saccharomyces	588
Features of the genus	588
Saccharomyces carlsbergensis	589
Materia Medica Lager Beer	590
Lager in the Materia Medica	592
Saccharomyces cerevisiae	594
Therapeutics	595
Tumours	597
Symbolism	598
Workaholism	600
Dionysus	601
Yeast allergies and Crohn's disease	604
Materia Medica	605
Cases	610
Alcoholus	616
Pharmacokinetics	617
Inebriation	618
Jekyll and Hide	619
Alcoholism	621
Eight kinds of drunkards	623
Deficiencies due to alcoholism	624
Toxic disorders due to alcoholism	626
Delirium tremens	627
Hallucinations	631
Alcohol and sex	632
Social interaction	633
Alcohol drug picture	635

Contents

Materia Medica	640
Alcoholus and fungi	649
Ignis Alcoholis	650
Ignis in the Kingdom Fungi?	650
Conjunction of opposites	651
Symbolism of fire	652
Materia Medica	653
Ignis compared with Agaricus, Bovista and Secale	659
PHYLLUM ZYGOMYCOTA	661
ORDER MUCORALES	662
Family Mucoraceae	662
Mucor mucedo	662
Sexual rendezvous	664
Clinical features	664
Materia Medica	665
Mucor cum Aspergillus cum Penicillium	667
Rhizopus nigricans [Rhizopus stolonifer]	670
Clinical features	671
SUBPHYLUM LICHENES	672
Lichens	673
Partnership or rulership	673
Habitat	675
Advance or retreat	676
Growth forms	676
Water	677
Brittleness	678
Reproduction	678
Uses	679
Longs of the earth	679
Usnic acid	680
Signatures/ themes of lichens	682
ORDER LECANORALES	683
Family Cladoniaceae	683
Cladonia pyxidata	683

Contents

Materia Medica	684
Cladonia rangiferina	687
Traditional use	688
Materia Medica	688
Themes	688
Family Parmeliaceae	699
Cetraria islandica	699
Therapeutics	700
Acid rain and heavy metals	701
Usnea barbata	704
Traditional use	704
Supplements and therapeutics	705
Materia Medica]	705
ORDER PELTIGERALES	707
Family Lobariaceae	707
Sticta	707
Traditional use	708
Materia Medica	708
Symptoms	709
Housemaids knee & domestic slaves	712
Addendum-Proving AGARICUS PHALLOIDES	715
Bibliography and References	723
Keys to the Fungi and Fungal Compounds	727
Metals, Minerals and Fungi [Table showing affinities]	747
Pathology and Fungi	749
Trees and Fungi	752
Miasms and Fungi	753
Insects and Fungi	754
Recipes	755
Glossary	761
Index	771
About the Author	783