

Contents

Summarized disease descriptions	Clinical pathology	7
	Superficial mycoses	7
	Cutaneous mycoses	7
	Subcutaneous mycoses	8
	Deep mycoses	11
	Histopathology	16
	Natural ecology	25
Identification techniques	Laboratory conditions	33
	Laboratory techniques	34
	Direct examination	34
	General techniques	35
	Phenotypic methods	35
	Molecular methods	35
	Recipes	38
	Level of resolution	50
Antifungals and treatment	Antifungal susceptibility	51
	Treatment recommendations	76
General classification	Classification	89
	Nomenclature	89
	Systematics of fungi and pseudofungi	104
	Phylogenetic overview	105
	Phenotypic keys to major groups and genera	120
	Pseudofungi: Mesomycetozoa	129
Taxonomic groups	Pseudofungi: Chromista , Oomycota	131
	Kingdom Fungi (Eumycota)	138
	Chytridiomycota	140
	Zygomycota: Mucorales , Mortierellales	145
	Entomophthorales	217
	Basidiomycota	227
	Filamentous basidiomycetes	230
	Basidiomycetous yeasts	279
	Ascomycota	374
	Pneumocystis	375
	Ascomycetous yeasts	380
	Filamentous ascomycetes with fruitbodies in culture	519
	Ascomycota, Pezizomycotina . order Arachnomycetales	523
	Ascomycota, Pezizomycotina . order Calosphaeriales , Diaporthales, Togniniales	524
	Ascomycota, Pezizomycotina . orders Capnodiales , Chaetothyriales , Dothideales	525
	Ascomycota, Pezizomycotina . order Eurotiales	531
	Ascomycota, Pezizomycotina . orders Hypocreales , Clavicipitales	534
	Ascomycota, Pezizomycotina . order Microascales	538
	Ascomycota, Pezizomycotina . order Onygenales	540
	Ascomycota, Pezizomycotina . order Ophiostomatales	548
	Ascomycota, Pezizomycotina . order Pleosporales	549
	Ascomycota, Pezizomycotina . order Sordariales	554
	Ascomycota, Pezizomycotina . order Venturiales	556
	Ascomycota, Pezizomycotina . order Xylariales	557
	Descriptions of individual taxa	558
Glossary		1544
Index of doubtful names and unconfirmed clinical cases		1553
Index		1590
Bibliography		electronic