



Identification of common *Aspergillus* species

2-660-108-1

Maren A. Klich

Contents

Preface.....	v
Introduction.....	1
Economic and Medical Importance of <i>Aspergillus</i>	1
Systematics	3
Morphological Features of Importance for Identification	5
Learning to Recognize Morphological Features.....	5
Media and Incubation	6
Using this Book.....	10
Hints for Making Observations and Using the Key.....	10
Identification Key.....	12
Species Descriptions.....	17
<i>Aspergillus alliaceus</i>	18
<i>Eurotium amstelodami</i>	20
<i>A. auricomus</i>	22
<i>A. awamori</i>	24
<i>A. caespitosus</i>	26
<i>A. candidus</i>	28
<i>A. carbonarius</i>	30
<i>A. carneus</i>	32
<i>A. cervinus</i>	34
<i>Eurotium chevalieri</i>	36
<i>A. clavatus</i>	38
<i>Chaetosartorya creMEA</i>	40
<i>Neosartorya fischeri</i>	42
<i>A. flavipes</i>	44
<i>A. flavus</i>	46
<i>A. foetidus</i>	48
<i>A. fumigatus</i>	50
<i>Eurotium herbariorum</i>	52
<i>A. japonicus</i>	54
<i>A. kanagawaensis</i>	56
<i>A. melleus</i>	58
<i>Emericella nidulans</i>	60
<i>A. niger</i>	62
<i>A. niveus</i>	64
<i>A. ochraceus</i>	66
<i>Sclerotista ornata</i>	68
<i>A. oryzae</i>	70
<i>A. ostianus</i>	72
<i>A. paradoxus</i>	74
<i>A. parasiticus</i>	76
<i>A. penicillioides</i>	78
<i>A. puniceus</i>	80

<i>Emericella quadrilineata</i>	82
<i>A. restrictus</i>	84
<i>Emericella rugulosa</i>	86
<i>A. sclerotiorum</i>	88
<i>A. sojae</i>	90
<i>A. sparsus</i>	92
<i>A. sydowii</i>	94
<i>A. tamarii</i>	96
<i>A. terreus</i>	98
<i>A. unguis</i>	100
<i>A. ustus</i>	102
<i>A. versicolor</i>	104
<i>A. wentii</i>	106
Literature Cited	108
Appendix 1. Some Major Characteristics of <i>Aspergillus</i> Species	112
Appendix 2. Data Sheet	114
Index	115