

CONTENTS

<i>Contributors</i>	ix
<i>Series introduction</i>	xi
<i>Preface</i>	xiii
1 Resource centres <i>L. R. Hill, K. Komagata and R. L. Gherna</i>	1
1.1 Nature of the resource	1
1.2 Biotechnological applications	2
1.3 Types of resource centres	3
1.4 Future development of resource centres	20
1.5 Reference	21
2. Information resources <i>M. I. Krichevsky and H. Sugawara</i>	22
2.1 Introduction	22
2.2 Information needs	23
2.3 Information resources	28
2.4 Access to data resources	46
3 Administration and safety <i>L. R. Hill and R. L. Gherna</i>	49
3.1 Administration	49
3.2 Safety	54
3.3 References	61
4 Culture and maintenance <i>L. R. Hill, M. Kocur and K. A. Malik</i>	62
4.1 Culture	62
4.2 Maintenance	64
4.3 Quality control	77
4.4 Records	78
4.5 Security	78
4.6 References	78
	vii

viii *Contents*

5 Identification	<i>L. R. Hill, K. A. Malik and K. Komagata</i>	81
5.1 Introduction		81
5.2 Practical aspects of identification		86
5.3 Chemotaxonomy		89
5.4 Nucleic acids		91
5.5 Selected references for identification		93
6 Patent protection for biotechnological inventions		
	<i>I. J. Bousfield</i>	95
6.1 Introduction		95
6.2 Basis of the patent system		95
6.3 Kinds of biotechnological inventions		97
6.4 Patentability of biotechnological inventions		98
6.5 Practical considerations		110
6.6 Further reading		131
7 Culture collection services	<i>D. Allsopp and F. P. Simione</i>	134
7.1 Introduction		134
7.2 Types of services		134
7.3 Workshops and training		141
7.4 Publications, catalogues and publicity material		142
7.5 Fees and charges		143
7.6 Suggested reading		144
8 Organisation of resource centres	<i>B. E. Kirsop and E. J. DaSilva</i>	146
8.1 Introduction		146
8.2 International organisation		146
8.3 Regional organisation		156
8.4 National federations/committees		158
8.5 Future developments		159
	<i>Index</i>	162