

CONTENTS

<i>List of tables</i>	<i>page</i> vi
<i>Foreword by J. Heslop-Harrison</i>	vii
<i>Preface</i>	ix
<i>List of terms, abbreviations, and synonyms</i>	xi
1 Culture of plant cells, tissues, and organs	1
2 Aseptic techniques	10
3 Nutritional components of tissue culture media	21
4 Initiation and maintenance of callus	36
5 Liquid media: root cultures and cell suspensions	50
6 Induction of the differentiation of xylem cells	66
7 Organogenesis	78
8 Somatic embryogenesis	89
9 Culture of the shoot apex	98
10 Isolation, purification, and culture of protoplasts	107
11 Protoplast fusion and somatic hybridization	120
12 Anther and pollen cultures	127
13 Production of secondary metabolites by cell cultures	141
14 Quantitation of tissue culture procedures	149
<i>Commercial sources of supplies</i>	162
<i>Author index</i>	166
<i>Subject index</i>	171