

Contents

Contributors	vii
Preface	ix
1 An Overview of the Development and Application of Diagnostic Methods in Crop Sciences <i>J.H. Skerritt and R. Appels</i>	1
2 Varietal Identification of Crop Plants <i>R.J. Cooke</i>	33
3 Monoclonal Antibody Technology <i>A. Schots, R. Griep and J. Bakker</i>	65
4 Antibody Probes in Cereal Breeding for Quality and Disease Resistance <i>N.K. Howes</i>	87
5 The Interface between RFLP Techniques, DNA Amplification and Plant Breeding <i>P.M. Gresshoff</i>	101
6 Nucleic Acid Techniques in Testing for Seedborne Diseases <i>J.C. Reeves</i>	127
7 Fungal Immunodiagnostics in Plant Agriculture <i>F.M. Dewey and C.R. Thornton</i>	151

8	Antibody Approaches to Plant Viral Diagnostics <i>R.J. Sward and D.R. Eagling</i>	171
9	Nucleic-acid-based Approaches to Plant Virus and Viroid Diagnostics <i>P.M. Waterhouse and P.W.G. Chu</i>	195
10	Monitoring Safety of Plant Foods: Immunodiagnostics for Mycotoxins and Other Bioactive Compounds <i>M.R.A. Morgan</i>	215
11	Diagnostics for Plant Agrochemicals – a Meeting of Chemistry and Immunoassay <i>S.J. Gee, B.D. Hammock and J.H. Skerritt</i>	243
12	Measurement of Polysaccharide-degrading Enzymes in Plants Using Chromogenic and Colorimetric Substrates <i>B.V. McCleary</i>	277
13	Isozyme Variation and Analysis in Agriculturally Important Plants <i>T. Konishi</i>	303
14	The Use of Carbon Isotope Discrimination Analysis in Plant Improvement <i>R.A. Richards and A.G. Condon</i>	319
	Index	333