

Contents

<i>Preface</i>	iii
<i>List of Contributors</i>	vii
1. Introduction: Research Need <i>J.M. Mérillon and K.G. Ramawat</i>	1
2. Secondary Plant Products in Nature <i>K.G. Ramawat</i>	11
3. Tools and Techniques <i>K.G. Ramawat and S.S. Suri</i>	39
4. Production of Antitumour Compounds <i>K.G. Ramawat</i>	67
5. Production of Food Additives <i>G.A. Ravishankar, N. Bhagyalakshmi and S. Ramachandra Rao</i>	89
6. Production of Insecticides <i>Amita Pal</i>	111
7. Production in Culture: Optimization <i>K.G. Ramawat</i>	123
8. Production in Culture: Selection <i>K.G. Ramawat</i>	145
9. Hormonal Autonomy and Secondary Metabolites <i>K.G. Ramawat and J.M. Mérillon</i>	163
10. Production under Stress <i>K.G. Ramawat and K.C. Sonie</i>	177

11. Production of Alkaloids <i>K.G. Ramawat</i>	193
12. Production of Steroids and Saponins <i>Anupama Wagle, G.D. Kelkar and M.R. Heble</i>	219
13. Mechanism and Control <i>J.M. Mérillon and K.G. Ramawat</i>	241
14. Detoxification of Secondary Metabolites <i>Philippe Matile</i>	257
15. Production of Secondary Metabolites by Bioconversion <i>Niesko Pras and Herman J. Woerdenbag</i>	265
16. Genetic Transformation for Production of Secondary Metabolites <i>Sumita Jha</i>	305
17. Large-scale Production in Bioreactors <i>J.M. Mérillon</i>	331
18. Medicinal Plants <i>K.G. Ramawat, Rachana Sharma and S.S. Suri</i>	351
19. Practicals <i>K.G. Ramawat</i>	375
<i>Subject Index</i>	389