

Table of Contents

Preface	vii
1. <i>In Vitro</i> Embryogenesis: Some Historical Issues and Unresolved Problems W. Halperin	1
2. Asexual Embryogenesis in Vascular Plants in Nature K.K. Sharma and T.A. Thorpe	17
3. Zygotic Embryogenesis in Gymnosperms and Angiosperms V. Raghavan and K.K. Sharma	73
4. Culture of Zygotic Embryos M. Monnier	117
5. Morphogenic Aspects of Somatic Embryogenesis S.A. Merkle, W.A. Parrott and B.S. Flinn	155
6. Structural and Developmental Patterns in Somatic Embryogenesis E.C. Yeung	205
7. Physiological and Biochemical Aspects of Somatic Embryogenesis K. Nomura and A. Komamine	249
8. Molecular Biology of Somatic Embryogenesis D. Dudits, J. Györgyey, L. Bögre and L. Bakó	267
9. Haploid Embryogenesis A.M.R. Ferrie, C.E. Palmer and W.A. Keller	309
10. Somatic Embryogenesis in Herbaceous Dicots D.C.W. Brown, K.I. Finstad and E.M. Watson	345
11. Somatic Embryogenesis in Herbaceous Monocots S. KrishnaRaj and I.K. Vasil	417
12. Somatic Embryogenesis in Woody Plants D.I. Dunstan, T.E. Tautorus and T.A. Thorpe	471
List of Contributors	541
Subject Index	543