

Contents

Original publications

| | |
|--|----|
| Haberlandt G.: Culturversuche mit isolierten Pflanzenzellen | 1 |
| Krikorian A. D. and Berquam D. L.: Plant cell and tissue cultures: The role of Haberlandt | 25 |

Gottlieb Haberlandt: the man and the scientist

| | |
|---|----|
| Härtel O.: Gottlieb Haberlandt (1854–1945): a portrait | 55 |
| Höxtermann E.: Cellular 'elementary organisms' in vitro: The early vision of Gottlieb Haberlandt and its realization | 67 |

Early developments of plant tissue culture

| | |
|---|-----|
| Kohlenbach H. W.: The developmental potentials of isolated mesophyll cells and protoplasts | 93 |
| Gautheret R. J.: Plant tissue culture: the history | 105 |

Applications of plant tissue culture

| | |
|--|-----|
| Preil W.: Micropropagation of ornamental plants | 115 |
| Mix-Wagner G. and Schumacher H. M.: The <i>in-vitro</i> conservation of valuable genetic resources | 135 |
| Alfermann A. W., Petersen M. and Fuss E.: Production of natural products by plant cell biotechnology: results, problems and perspectives | 153 |
| Lucca P. and Potrykus I.: Genetic engineering technology against malnutrition | 167 |
| Zoglauer K., Behrendt U., Rahmat A., Ross H. and Taryono: Somatic embryogenesis – the gate to biotechnology in conifers | 175 |
| Wilhelm E.: Tissue culture of broad-leafed forest tree species | 203 |
| Laimer M.: The development of transformation of temperate woody fruit crops | 217 |
| Coloured figures | 243 |