

## CONTENTS

Contributors	vii
Introduction	
<i>E. L. Vigil</i>	1
<i>In situ</i> hybridisation in plants: from macroscopic to ultrastructural resolution	
<i>G. I. McFadden</i>	3
Correlated <i>in situ</i> hybridisation and immunochemical studies of legumin storage protein deposition in pea ( <i>Pisum sativum</i> L.)	
<i>N. Harris, H. Grindley, J. Mulchrone and R. R. D. Croy</i>	23
Vacuole accumulation of storage protein and lectin expressed in transgenic tobacco seeds	
<i>E. M. Herman, M. J. Chrispeels and L. M. Hoffman</i>	37
Effect of drought stress on protein body development in radicles of cotton embryos: a quantitative study with image analysis	
<i>E. L. Vigil, L. C. Frazier and C. Pooley</i>	47
Immunolocalization studies in the biogenesis of plant microbodies	
<i>C. Sautter</i>	65
Fate of glyoxysomal malate dehydrogenase from watermelon after heterologous <i>in-vivo</i> translation in <i>Xenopus</i> oocytes	
<i>C. Sautter</i>	73
Glyoxysomal membrane proteins are present in the endoplasmic reticulum of castor bean endosperm	
<i>R. P. Donaldson and E. Gonzalez</i>	87
Microtubule deployment within plant tissues: fluorescence studies of sheets of intact mesophyll and epidermal cells	
<i>S. M. Wick, S. Cho and A. R. Mundelius</i>	95
Myosin heavy chains: detection by immunoblotting in higher plants and localization by immunofluorescence in the alga <i>Chara</i>	
<i>L. Qiao, F. Grolig, P. P. Jablonsky and R. E. Williamson</i>	107
Recent advances in the study of plant coated vesicles	
<i>C. Hawes, J. Coleman, D. Evans and L. Cole</i>	119
New 3-substituted xanthines: potent inhibitors of cell plate formation	
<i>Y. Mineyuki, D. S. Letham and C. H. Hocart</i>	129

Immunofluorescence localization of microtubules in plant root tips  
embedded in butyl-methyl methacrylate

*F. Gubler*

137

Tissue printing on nitrocellulose paper: a new method for  
immunolocalization of proteins, localization of enzyme activities and  
anatomical analysis

*G. I. Cassab and J. E. Varner*

147