
Contents

Table of illustrations

Table of illustrations	vii
Acknowledgements	xi
1 Introduction	1
Parenchyma as a plant remain	1
How to use this book	2
Cells and tissues – an introduction to vegetative soft tissue anatomy	3
2 Gross morphology	5
Introduction	5
Historical perspective	5
Morphological definitions	7
3 Surface morphology	19
Introduction	19
Detachment scars – abscission zones	19
Detachment scars – breakage zones	21
Buds	22
Prickles and spines	22
Surface topography	23
4 Parenchyma	25
Parenchyma as a tissue	25
Cell size and shape	26
The fracture plane	30
Cell contents	31
Aerenchyma	35
Boundary tissues	37
Cavities in parenchyma	40
The water content of parenchyma on charring	46
The diagnostic value of parenchyma	47