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## Horticultural Research (Japan)

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## Secondary Cell Walls at a Scarious Floral Leaf in Se Including *Helichrysum bracteatum*

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Cell walls of scarious floral leaf cells in seven plant species were ob transmission electron microscope (TEM), a scanning electron micro polarization microscope. Generally, floral leaves are composed of p only primary cell walls. However, it was clarified that there were see showing orientation of cellulose microfibrils for all cells of scarious f plant species investigated. The fine structures of secondary cell wall *Helichrysum bracteatum* L., *Acroclinium roseum* L., *Rhodanthe*  *Xeranthemum annuum* L. in the Compositae family formed a retic similar in morphology to secondary thickening of tracheary elements *Gomphrena globosa* L. and *Gomphrena haageana* L. in the Ama formed a layered structure similar to fiber. *Limonium sinuatum* L. family formed a folded structure similar to the sclereid of seed coat.

**Key Words:** <u>birefringence</u>, <u>polarized light microscopy</u>, <u>scanning e</u> <u>transmission electron microscopy</u>

[PDF (1949K)] [References]

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