

Chauviniella coriifolia
(Harvey) Papenfuss

45.880

Techniques needed and shape



Classification

Division: Rhodophyta; Family: Delesseriaceae; Tribe: Delesserioideae
Group: *Hypoglossum*

***Descriptive name**

Stalked Cellophane Plant

Features

plants dark red-brown, 100-300 mm tall, long, solid stalks basally, upper branches filmy, edges often damaged, blade-shaped, 20-80 mm long, **narrow**, 4-12 mm wide; side blades and small, filmy, pear-shaped reproductive bladelets arise from thickened **midribs**
view microscopically to find

Special requirements



1. in undamaged young blades and bladelets: **single** apical cells producing a filament with 4 flanking (pericentral) cells; **irregularly arranged** surface cells,
2. in cross sections of stalks or thickened mid-ribs: **large equal sided cells** (false parenchyma) mixed with threadlike rhizoid and other cells

Occurrences

from southern W Australia to Victoria

Usual Habitat

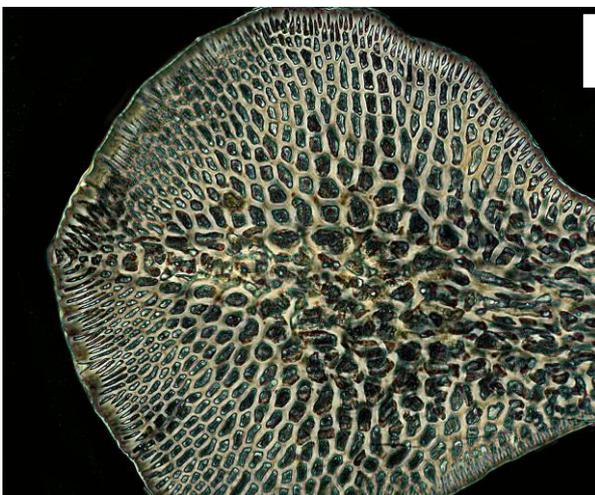
on rock, often near sand, with good current flow

Similar Species

Phitymophora has similar vegetative characteristics

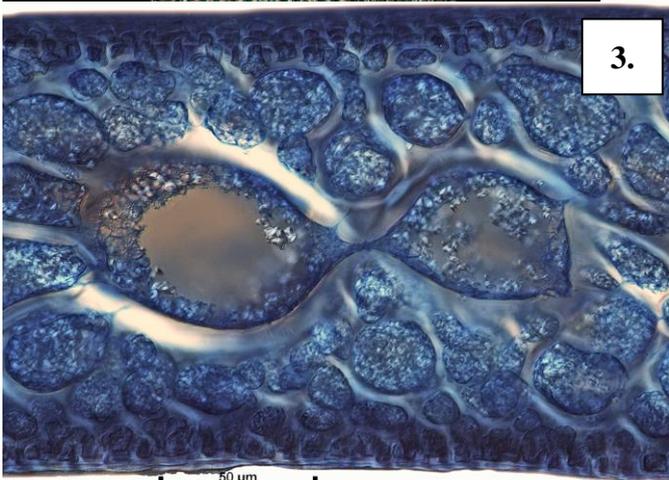
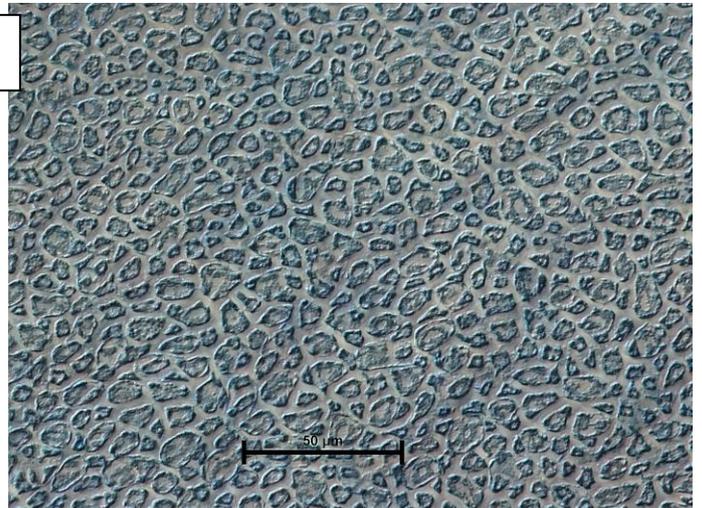
Description in the Benthic Flora Part IIID , page 59-63

Details of Anatomy



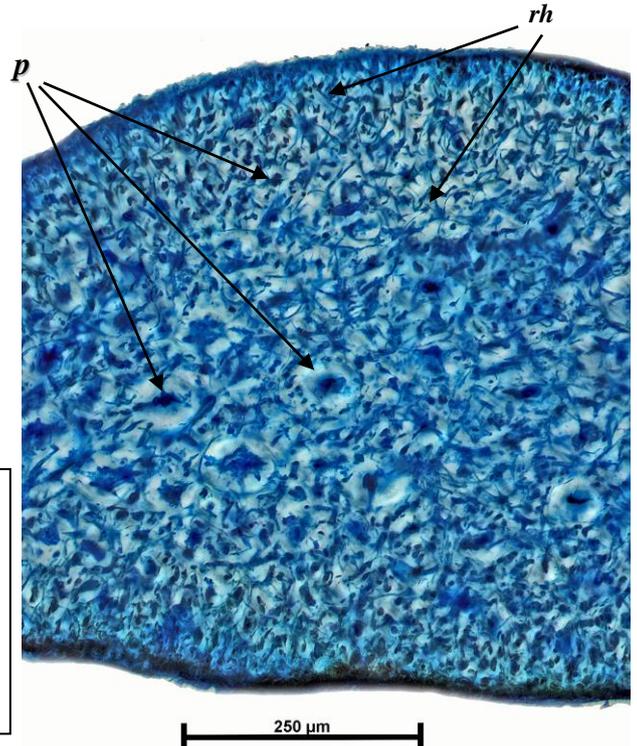
1.

2.



3.

4.



Chauviniella coriifolia stained blue and viewed microscopically

1. bladelet from the mid-line of a blade: single apical cell, forming a filament, rows of cells arising from flanking (pericentral) cells (slide 734)
2. mature blade, surface view: irregularly arranged small outer cells, large, vague, ghost-like, underlying cells (slide 17804)
3. cross section: inner cells large, grading to small outer cells (slide 17802)
4. cross section of a blade stalk: thick-walled, equal-sided cells (parenchyma, **p**), intermingled by rhizoids (**rh**) (slide 17802)

* Descriptive names are inventions to aid identification, and are not commonly used
"Algae revealed", R N Baldock, March 2003; additions August 2007; edited May 2014

5.



6.



Chauviniella coriifolia (Harvey) Papenfuss from S Australia
5. drift plant Vivonne Bay, Kangaroo Island A68416
6. Gulf St Vincent, A1074: mid-rib clusters of reproductive bladelets (arrowed)

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