SOUTHERN AUSTRALIAN SPECIES OF GELIDIACEAE AT A GLANCE
(microscopic details are stained blue: genera are separated on reproductive criteria)

I. plant mixed with sponge

II. plants form mats with opposite (pinnate) branches

IIa. branches flat, mats coarse

IIb. branches and mats fine
III. plants form **low turfs**, branches mainly cylindrical, sometimes compressed

![Image of Capreolia implexa](image1)

**III. plants form low turfs, branches mainly cylindrical, sometimes compressed**

- **Capreolia implexa**

![Image of Gelidiella ramellosa](image2)

**Gelidiella ramellosa**

- Branch tips
- Branches with sporangia

![Image of Pterocladiella (Gelidiella) minima](image3)

**Pterocladiella (Gelidiella) minima**

- Branches with sporangia

![Image of Gelidiella antipai](image4)

**Gelidiella antipai**

- Branch tips

![Image of Gelidium pusillum](image5)

**Gelidium pusillum**

- Erect parts compressed

![Image of Gelidium crinale](image6)

**Gelidium crinale**

- Erect parts cylindrical

IV. plants consist of tiny, star-shaped tufts, on dead shells and encrusting coralline algae

![Image of Pterocladiella (Gelidiella) minima](image7)

**Pterocladiella (Gelidiella) minima**

- Tufts arise from runners
- Sporangia in rows

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“Algae Revealed” R N Baldock, S Australian State Herbarium, January 2010