

Table 11: Pollen morphological characters of *A. sessilis* (green and red leaf forms); *A. paronychioides* and *A. ficoidea* under LM and SEM.

CHARACTERS	<i>A. sessilis</i>				<i>A. ficoidea</i>				<i>A. paronychioides</i>			
	red leaf form	N	green leaf form	N		N		N		N		
Polarity	Isopolar				Isopolar				Isopolar			
Symmetry	radially symmetrical				radially symmetrical				radially symmetrical			
Shape	dodecahedron				dodecahedron				dodecahedron			
Size												
P (µm)	(13.67–) 15.48 ± 0.95 (–18.18)	50	(12.56–) 15.19 ± 1.19 (–18.04)	50	(13.27–) 14.55 ± 0.81 (–15.89)	50	(20.12–) 21.36 ± 1.00 (–23.57)	18				
E (µm)	(16.09–) 17.69 ± 0.82 (–19.66)	50	(15.17–) 17.94 ± 1.02 (–19.97)	50	(16.13–) 17.62 ± 0.76 (–19.16)	50	(20.40–) 21.86 ± 0.90 (–23.53)	50				
P/E	0.88				0.85				0.83			
Class	small				small				small			
Aperture												
Type	pantoporate				pantoporate				pantoporate			
Pore												
number	12				12				14–18			
diameter (µm)	(4.11–) 4.48 ± 0.28 (–5.14)	30	(3.58–) 4.17 ± 0.35 (–4.85)	30	(4.51–) 4.83 ± 0.20 (–5.12)	12	(4.44–) 6.06 ± 0.83 (–6.76)	8				
shape	round				round				round and oval			
eb												
shape	l, r, s				l, r, s				l, r, s			
arrangement	c, m				c, m				c, m			
number	(25.00–) 27.79 ± 1.48 (–30.00)	14	(23.00–) 29.40 ± 3.25 (–35.00)	14	(27.00–) 32.71 ± 3.79 (–40.00)	14	(32.00–) 35.80 ± 2.59 (–39.00)	5				
s.e.	(2.81–) 3.24 ± 0.28 (–3.70)		(2.52–) 3.23 ± 0.34 (–3.78)		(2.84–) 3.14 ± 0.26 (–3.59)		(3.27–) 4.38 ± 0.65 (–4.92)					
length (µm)	(1.10–) 1.28 ± 0.13 (–1.49)		(1.03–) 1.15 ± 0.11 (–1.38)		(1.12–) 1.26 ± 0.10 (–1.47)		(1.54–) 1.74 ± 0.19 (–2.03)					
width (µm)	(0.29–) 0.33 ± 0.03 (–0.39)		(0.20–) 0.26 ± 0.05 (–0.38)		(0.26–) 0.31 ± 0.03 (–0.36)		(0.27–) 0.31 ± 0.04 (–0.35)					

Key to the symbols used:

c, closely adjoined but separated; dr = distally and regularly arranged in a line; dir = distally and regularly arranged in a line; E = equatorial diameter; eb = ektexinous bodies;

l = elongate; m = mosaic pattern; N= number of sample in 15 individual plants; P = polar length; P/E = ratio between polar length and equatorial diameter; r = rectangular; s = sinuous;

s.e. = microspines attached on each of the ektexinous bodies. All measurements are given in µm.

Table 11: Continued.

CHARACTERS	<i>A. sessilis</i>		<i>A. ficoidea</i>		<i>A. paronychioides</i>			
	red leaf form	N	green leaf form	N		N		
Sexine								
Ornamentation	metareticulum		metareticulum		metareticulum			
Shape of mesoporia	Pentagonal		Pentagonal		Pentagonal	Pentagonal and hexagonal		
Spines								
height ( $\mu\text{m}$ )	(0.15–) $0.22 \pm 0.03$ (–0.34)	30	(0.13–) $0.24 \pm 0.04$ (–0.40)	30	(0.19–) $0.29 \pm 0.04$ (–0.45)	15	(0.23–) $0.45 \pm 0.04$ (–0.59)	23
shape	conical		conical		conical		conical	
upper part	blunt		blunt		sharp		blunt	
arrangement	dr		dr		dr		dr; dir	
Perforation	unevenly; whole mesoporia		unevenly; whole mesoporia		along the microspines; top mesoporia		along the microspines; top mesoporia	

Key to the symbols used:

c, closely adjoined but separated; dr = distally and regularly arranged in a line; dir = distally and regularly arranged in a line; E = equatorial diameter; eb = ektexinous bodies;  
 l = elongate; m = mosaic pattern; N = number of sample in 15 individual plants; P = polar length; P/E = ratio between polar length and equatorial diameter; r = rectangular; s = sinuous;  
 s.e. = microspines attached on each of the ektexinous bodies. All measurements are given in  $\mu\text{m}$ .