	***Calliotropis* species**	**Morphological shell characters**												**Distribution**
Age	**Extant *Calliotropis* species**	**Spire angle**	**Basal angle**	**Umbilical width (mm)**	**Apertural inclination**	**Morphology of the aperture**	**Morphology of the outer lip**	**Columellar denticle**	**Size (H mm)**	**Ratio H/W**	**Protoconch width (mm)**	**Protoconch ornament**	**Teleoconch ornament**	**Geographic and bathymetric distribution**
Holocene	*Calliotropis (C.) conoeides* Vilvens, 2007	57º	113º	0.00	48º	not descending	reflected	absent	31.50	1.24	0.40	smooth	without secondary spiral cords	1200-1300 m (Indo-Pacific)
	Calliotropis (C.) excelsior Vilvens, 2004	65º	123º	5.80	40º	not descending	not reflected	absent	24.40	1.18	0.10	smooth/glassy	without secondary spiral cords	960-1100 m (Indo-Pacific)
	Calliotropis (C.) helix Vilvens, 2007	67º	132º	3.80	38º	not descending	not reflected	absent	19.80	1.05	0.35	smooth/glassy	without secondary spiral cords	700-900 (South China sea)
	Calliotropis (C.) chalkeie Vilvens, 2007	65º	132º	1.25	47º	not descending	not reflected	absent	6.50	1.26	0.27	smooth	with several secondary spiral cords	700-1300 m (Indo-Pacific)
	Calliotropis (C.) acherontis Marshal, 1979	76º	110º	1.43	33º	not descending	not reflected	absent	5.20	1.42	0.37	smooth	without secondary spiral cords	500-770 m (Indo-Pacific)
	Calliotropis (C.) echidnoides Vilvens, 2007	73º	122º	0.70	38º	not descending	not reflected	present	4.80	1.02	0.16	?	with 1 secondary spiral cords	250-350 m (Indo-Pacific)
	Calliotropis (C.) derbiosa Vilvens, 2004	78º	132º	7.20	64º	not descending	not reflected	absent	22.30	0.90	0.20	smooth/glassy	with 1 secondary spiral cords	800-1200 m (Indo-Pacific)
	Calliotropis (C.) micraulax Vilvens, 2004	77º	112º	5.90	48º	not descending	not reflected	absent	20.50	0.90	0.20	smooth/glassy	without secondary spiral cords	800-1300 m (Indo Pacific)
	Calliotropis (C.) dicrous Vilvens, 2007	73º	101º	3.50	61º	not descending	not reflected	absent	10.20	0.81	0.40	?	without secondary spiral cords	460-750 m (Indo-Pacific)
	Calliotropis (C.) denticulus Vilvens, 2007	104º	125º	4.00	50º	not descending	not reflected	absent	7.40	0.73	0.42	?	with 1 secondary spiral cords	500-2100 m (Indo-Pacific)
	Calliotropis (C.) oros Vilvens, 2007	102º	118º	1.50	69º	not descending	not reflected	absent	5.40	0.78	0.25	smooth/glassy	without secondary spiral cords	440-600 m (Indo-Pacific)
	Calliotropis (C.) cycloides Vilvens, 2007	85º	139º	1.60	48º	not descending	not reflected	absent	5.00	0.73	0.22	smooth/glassy	without secondary spiral cords	500-900 m (Indo-Pacific)
	Calliotropis (C.) eucheloides Marshal, 1979	96º	129º	3.30	74º	not descending	not reflected	present	8.50	0.70	?	smooth/glassy	with 1 secondary spiral cords	240-510 m (Indo Pacific)
	Calliotropis (C.) elephas Vilvens, 2007	98º	139º	4.20	52º	not descending	not reflected	absent	8.30	0.63	0.35	smooth/glassy	without secondary spiral cords	400-2000 m (Indo-Pacific)
	Calliotropis (C.) cooperculum Vilvens, 2007	92º	119º	2.60	60º	not descending	not reflected	absent	5.00	0.66	0.35	smooth/glassy	with 1 secondary spiral cords	500-780 m(Indo-Pacific)
	Calliotropis (C.) stegos Vilvens, 2007	106º	130º	1.88	46º	not descending	not reflected	absent	5.00	0.66	0.35	?	without secondary spiral cords	450-750 m (Indo pacific)
	Calliotropis (C.) nomismasimilis Vilvens, 2007	130º	129º	2.70	64º	not descending	not reflected	present	5.20	0.57	0.29	?	with 1 secondary spiral cords	300-400 m(Indo-Pacific)
	Calliotropis (C.) ceciliae Vilvens and Sellanes, 2010	74º	128º	1.20	55º	not descending	not reflected	absent	17.50	0.97	?	?	with 1 secondary spiral cords	1100-1300 m (South Pacific, Central Chile)
	Calliotropis (C.) infundibulum (Watson, 1879)	80º	96º	1.50	51º	not descending	not reflected	absent	20.00	1.04	?	?	without secondary spiral cords	230-3200 m(cosmopolitan)
	Calliotropis (C.) pelseneeri (Cernohorsky, 1977)	78º	131º	0.00	47º	not descending	not reflected	absent	11.00	0.90	?	?	with several secondary spiral cords	370-1900 m (Antarctica)
	Calliotropis (C.) enantioserrata Hickman, 2016	64º	135º	0.00	42º	not descending	reflected	absent	29.60	1.20	0.60	smooth/glassy	without secondary spiral cords	1040-1075 m (Indo-West Pacific)
	Calliotropis (C.) andamanensis Hickman, 2016	82º	131º	8.60	52º	strongly descending	reflected	absent	25.00	0.92	?	?	without secondary spiral cords	503-512 m (Indo-West Pacific)
	Calliotropis (C.) bukabukaensis Hickman, 2016	69º	120º	5.10	75º	not descending	not reflected	present	15.90	1.23	?	?	without secondary spiral cords	1375 m (Indo-West Pacific)
	Calliotropis (C.) ottoi (Philippi, 1844)	85º	113º	1.50	53º	not descending	not reflected	absent	10.00	0.66	0.47	smooth	without secondary spiral cords	living 150-900 m(Northeast and northwest Atlantic ocean, Indonesia)
Age	**Fossil *Calliotropis* species**	**Spire angle**	**Basal angle**	**Umbilical width (mm)**	**Apertural inclination**	**Morphology of the aperture**	**Morphology of the outer lip**	**Columellar denticle**	**Size (H mm)**	**Ratio H/W**	**Protoconch width (mm)**	**Protoconch ornament**	**Teleoconch ornament**	**Geographic and bathymetric distribution**
Plio-Pleistocene	*Calliotropis (R.) arenosa* Helwerda et al., 2014	89º	126º	0.10	40º	not descending	not reflected	present	3.40	1.26	0.27	microgranular	with several secondary spiral cords	200-300 m (Philippines)
Eocene	*Calliotropis (R.) antarchais* Stilwell, 2005	65º	102º	0.00	35º	not descending	not reflected	absent	10.50	1.00	?	?	with several secondary spiral cords	shallow waters (Antarctica)
Paleocene	*Calliotropis (R.) microglyptophorus* Darragh, 1997	64º	120º	0.00	39º	not descending	not reflected	absent	9.50	1.50	0.31	smooth	with 1 secondary spiral cords	shallow waters, open ocean (Australia)
Campanian	*Calliotropis (R.) seguris* Kiel & Bandel, 2001	76º	125º	1.41	52º	not descending	not reflected	absent	10.00	1.10	?	?	with several secondary spiral cords	upper shore-Tropical tethys Realm
	Calliotropis (R.) torallolensis Kiel & Bandel, 2001	61º	134º	0.96	29º	not descending	not reflected	absent	13.00	1.40	?	?	with several secondary spiral cords	upper shore-Tropical tethys Realm
Callovian	*Calliotropis* (*R.*) *lukovensis* n. sp.	66º	90º	0.70	21º	not descending	not reflected	absent	6.10	1.20	0.28	microgranular	with several secondary spiral cords	open sea environments (Europe)
	Calliotropis (R.) vierowiensis Gründel, 2000	72º	144º	0.00	31º	not descending	not reflected	absent	10.50	1.05	?	?	with several secondary spiral cords	deep and calmer waters (Europe)
Bathonian	*Calliotropis (R.) pileiformis* Jaitly *et al*., 2000	95º	136º	0.00	25º	not descending	not reflected	absent	13.50	1.08	?	?	with 1 secondary spiral cords	costal, shallow waters (India)
	Calliotropis (R.) tagorei Das *et al*., 1999	94º	126º	0.00	27º	not descending	not reflected	absent	15.00	1.10	?	?	with 1 secondary spiral cords	shallow waters (India)
	Calliotropis (R.) faustiankensis n. sp.	75º	97º	0.20	44º	not descending	not reflected	absent	3.00	1.00	0.25	microgranular	without secondary spiral cords	shallow waters (Europe)
	Calliotropis (R.) elongata Das *et al*., 1999	53º	150º	0.00	33º	not descending	not reflected	absent	15.00	1.60	?	?	without secondary spiral cords	shallow waters (India)
Bajocian	*Calliotropis (R.) lorioli* (Greppin, 1898)	61º	136º	0.00	30º	not descending	not reflected	absent	10.00	1.10	?	?	with several secondary spiral cords	shallow waters (Europe)
	Calliotropis (R.) biarmata (Münster, 1844)	70º	135º	0.50	45º	not descending	not reflected	absent	10.80	1.20	0.25	microgranular	without secondary spiral cords	shallow waters, platforms (Europe)
Pliensbachian	*Calliotropis (R.) keideli* Ferrari *et al*., 2014	78º	115º	1.80	29º	not descending	not reflected	absent	16.00	1.50	?	?	without secondary spiral cords	shallow waters (South America)
Pliensbachian/Toarcian	*Calliotropis (R.)* c.f. *keideli* (in Ferrari *et al*., 2014)	66º	134º	0.00	23º	not descending	not reflected	absent	13.40	1.61	?	?	with several secondary spiral cords	shallow waters (South America)
Pliensbachian	*Calliotropis (R.) erratica* Gründel & Koppka, 2007	86º	143º	2.00	72º	not descending	not reflected	absent	6.50	0.81	0.29	?	without secondary spiral cords	deep water environments (Europe)
Sinemurian/Toarcian	*Calliotropis (R.) multistriata* (Böckh 1874)	96º	143º	2.70	37º	not descending	not reflected	absent	21.00	1.30	?	?	with several secondary spiral cords	Europe
	Calliotropis (R.) noszkyi Szabó, 1995	93º	130º	0.00	30º	not descending	not reflected	absent	14.00	1.07	?	?	with several secondary spiral cords	deep water environments (Europe)
Hettangian	*Calliotropis(R.) vaihingensis* (Brösamlen, 1909)	68º	146º	0.00	30º	not descending	not reflected	absent	4.50	1.18	?	?	without secondary spiral cords	Europe
Early Jurassic	*Calliotropis (R.) subdisjuncta* (Cassmann, 1909)	78º	130º	0.00	40º	not descending	not reflected	absent	10.00	0.83	?	?	without secondary spiral cords	Europe
Narian/Rhaetian	*Calliotropis (R.) iranicus* (Nützel *et al*., 2003)	73º	133º	0.00	44º	not descending	not reflected	absent	6.70	1.20	?	?	with several secondary spiral cords	shallow, topical waters (Iran)
	Calliotropis (R.) naybandensis Nützel & Senowbari-Daryan, 1999	53º	117º	0.84	32º	not descending	not reflected	absent	12.30	1.50	?	?	with several secondary spiral cords	shallow, topical waters (Iran)
	Calliotropis (R.) aliabadensis Nützel & Senowbari-Daryan, 1999	57º	135º	0.88	18º	not descending	not reflected	absent	9.20	1.50	?	?	with several secondary spiral cords	shallow, topical waters (Iran)