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## **SURVEY AND PRESENCE CLASS OF CLIMBING PLANTS IN THE FLORA OF ANDAMAN ISLANDS, INDIA**

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### **ABSTRACT**

Survey of angiospermic climbers from the Andaman Islands recorded 1119 species under 136 genera belonging to 50 families. The ratio of dicotyledons to monocotyledons climbers is near about 6.81:1. Maximum number of 24 sp. recorded for convolvulaceae followed by Papilionaceae (23 sp.). *Dioscorea* (9 sp.) is the most predominant climbing genera. Twiners are most predominant with 159 species followed by tendril climbers (38 species) and hook climbers (36 species). 19 sp. of climbing plants are randomly found in different Islands.

**Keywords:** *Climbing Plants, Presence Class, Andaman Islands*

### **INTRODUCTION**

Climbing plants are one of the most interesting group but a much neglected group of plants. Climbers represent a very conspicuous and dominant growth form in tropical forest. These are the plants that germinate on floor and grow part of their life by winding ground, anchoring or adhering to other plants (Jongkind and Hawthorne, 2005) to attain great stature (Swaine and Grace, 2007).

Interest in liana inventory has recently gained currency (DeWalt *et al.*, 2000; Muthuramkumar and Parthasarathy, 2001; Perez- Salicrup *et al.*, 2001; Phillips *et al.*, 2002; Reddy and Parthasarathy, 2003; Kouame *et al.*, 2004; Mascaro *et al.*, 2004; Parthasarathy *et al.*, 2004; Rice *et al.*, 2004; Phillips *et al.*, 2005; DeWalt *et al.*, 2006; Ghosh, 2013, Ghosh *et al.*, 2013). However, information on medium to long-term inventory is scanty in most cases (Phillips *et al.*, 2005).

In Andaman Islands, Prasad *et al.*, (2009) recorded 119 climbing plants from North Andaman. But no comprehensive study has been done regarding the angiospermic climbers of Andaman Islands.

### **MATERIALS AND METHODS**

The present work is the outcome of extensive survey at different corners of the Islands in different seasons. The islands extend from 6° to 14° North latitudes and from 92° to 94° East longitudes, covering an area of 7,950 km<sup>2</sup>

For collection and preservation of plant specimens and to document the information, the author followed the guidelines as mentioned by Jain (1965), Jain and Rao (1977) and Pal and Jain (1999) with some minor modifications wherever necessary. Climbers were identified with the help of published flora (Perkinson, 1923; Hooker, 1872-1885; Gamble & Fisher, 1921-1935; Mathew, 1991). Voucher specimens were deposited at the CU Herbarium.

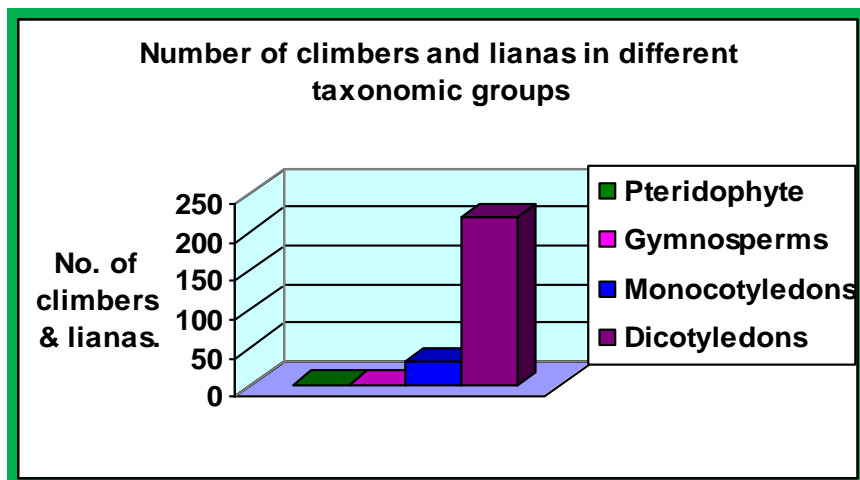
### **RESULTS AND DISCUSSION**

A total of 1119 species of climbers and lianas were identified from the different type of forests of Andaman Islands. They are represented by 250 species of angiosperms, 2 ferns (Pteridophytes) and a single gymnosperm (Fig.1). The 50 families of the dicotyledons have 218 species under 121 genera, while 7 families of the monocotyledons have 32 species under 12 genera. Total number of genera is 2 in the pteridophytes under 2 families and a single one under the gymnosperms.

Species wise, major families are: Convolvulaceae (24), Papilionaceae (23), Asclepiadaceae (20), Menispermaceae (17), Vitaceae (13), Arecaceae (11), Apocynaceae (10), Oleaceae (10), Dioscoreaceae

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(9), Anonaceae (8), Caesalpiniaceae (8), Rhamnaceae (7), Smilacaceae (7), Thunbergiaceae (6), Combretaceae (5) and Cucurbitaceae (5). Families represented by single member each are: Asteraceae, Boraginaceae, Connaraceae, Dilleniaceae, Hernandiaceae, Icacinaceae, Malvaceae, Olacaceae, Ranunculaceae, Sapindaceae, Verbenaceae, and Flagellariaceae (Table 1).

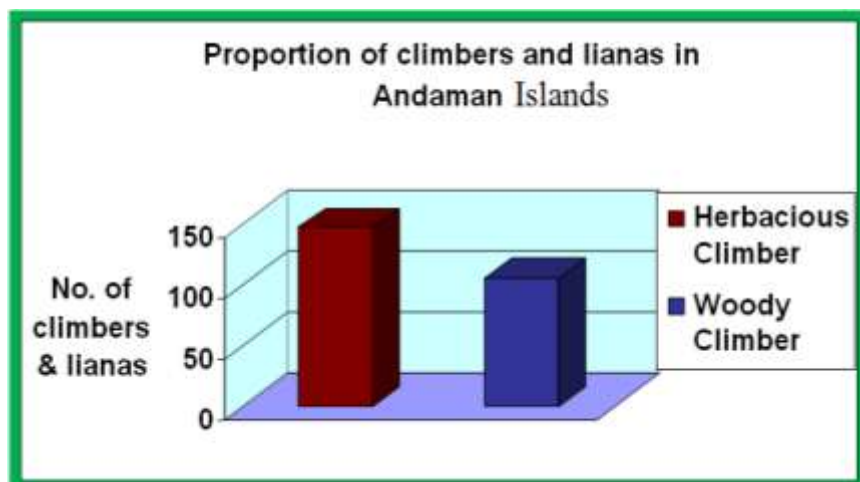


**Figure 1: Number of climbers and lianas in different taxonomic groups**

Genera with 5 species or more are: *Argyreia* (5), *Caesalpinia* (6), *Calamus* (5), *Derris* (6), *Dioscorea* (9), *Ipomoea* (8), *Jasminum* (8), *Smilax* (6), *Stephania* (5), *Tetrastigma* and (5), *Thunbergia* (6).

Families represented by climbers only are: Araceae, Aristolochiaceae, Asclepiadaceae, Convolvulaceae, Cucurbitaceae, Cuscutaceae, Menispermaceae, Passifloraceae, Piperaceae and Vitaceae.

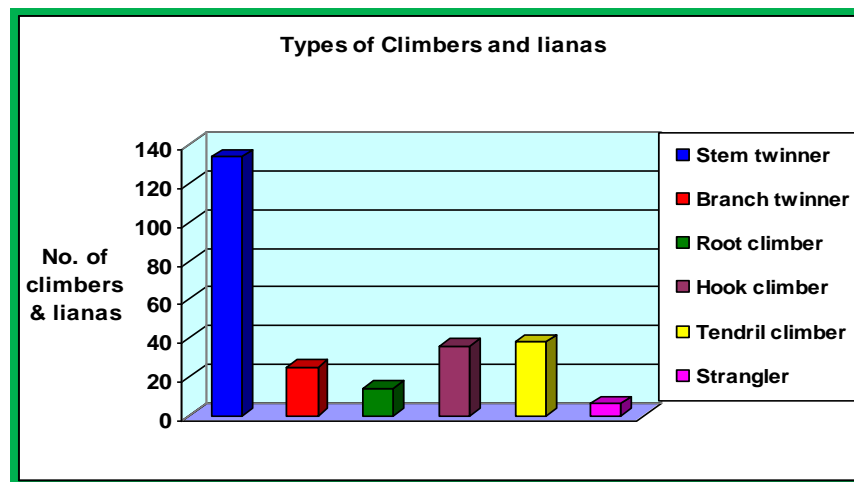
The total number of herbaceous climbers is 147 (58.1%) and that of woody lianas is 106 (41.9%) respectively (Fig. 2). The number of herbaceous climbers in the dicotyledons is 125 (49.41%) and in the monocotyledons it is 20 (7.9%) only. Amongst the dicotyledons 105 (41.5%) species are lianas as is the single gymnosperm. Pteridophytes have 2 climbers.



**Figure 2: Proportion of climbers and lianas in Andaman Islands**

Taken together, there are 134 (52.96%) stem twiners, 36 (14.22%) hook climbers, 38 (15.02%) tendril climbers, 25 (9.88%) branch twiners, 14 (5.53%) root climbers and 6 (2.37%) stranglers (Fig. 3).

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**Figure 3: Types of climbing plants**

It is found that 19 sp. of climbing plants are randomly distributed in different Islands with the highest percentage (E=81-100%) and there are about 139 sp. of climbing plants are isolated in certain Islands (A=1-20%). (Table: 1).

**Table 1: Distribution and Presence class of climbing plants found in Andaman Islands**

SL.	Specimen name	Family	Habit	NA	MA	SA	LA	NN	CN	SN	Presence class
1	<i>Abrus precatorius</i> L.	Papilionaceae	C	+	+	+	+	+	+	+	E
2	<i>Abrus pulchellus</i> Wall. ex. Thw.	Papilionaceae	C	+	-	+	-	-	-	-	B
3	<i>Acacia andamanica</i> Nielsen	Mimosaceae	L	+	-	-	-	-	-	-	A
4	<i>Acacia pennata</i> (L.) Willd.	Mimosaceae	L	+	+	+	-	-	-	-	C
5	<i>Adenia cardiophylla</i> (Masters) Engler	Passifloraceae	C	+	-	-	-	-	-	-	A
6	<i>Adenia trilobata</i> (Roxb.) Engl.	Passifloraceae	C	+	-	-	-	-	-	-	A
7	<i>Aganosma cymosa</i> (Roxb.) G. Don	Apocynaceae	L	+	-	-	-	-	-	-	A
8	<i>Aganosma marginata</i> (Roxb.) G. Don	Apocynaceae	L	+	-	-	-	-	-	-	A
9	<i>Allamanda cathartica</i> L.	Apocynaceae	L	+	+	+	-	-	-	-	C
10	<i>Alyxia reinwardtii</i> var. <i>meiantha</i> (stap) Markgraf	Apocynaceae	L	+	-	+	-	+	-	-	C
11	<i>Ampelocissus barbata</i> (Wall.) Planch.	Vitaceae	C	+	+	+	-	+	-	-	C
12	<i>Anamitra cocculus</i> (L.) Wight & Arn.	Menispermaceae	C	+	-	-	-	-	-	-	A
13	<i>Ancistrocladus attenuatus</i> Dyer	Ancistrocladaceae	L	+	+	+	-	-	-	-	C
14	<i>Ancistrocladus tectorius</i> (Lour.) Merr.	Ancistrocladaceae	L	+	-	+	-	-	-	-	B

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15	<i>Anodendron manubrium</i> Merr.	Apocynaceae	L	+	+	+	-	+	-	-	D
16	<i>Argyrea capitata</i> (Vahl) Choisy	Convolvulaceae	C	+	-	-	-	-	-	-	A
17	<i>Argyrea kleiniana</i> (Roemer & Schultes) Raiz	Convolvulaceae	C	+	-	-	-	-	-	-	A
18	<i>Argyrea mollis</i> (N. L. Burman) Choisy	Convolvulaceae	C	+	-	+	-	-	-	-	B
19	<i>Argyrea osyrensis</i> (Roth) Choisy	Convolvulaceae	C	+	-	-	-	-	-	-	A
20	<i>Argyrea wallichii</i> Choisy	Convolvulaceae	C	+	-	-	-	-	-	-	A
21	<i>Aristolochia tagala</i> Chamisso	Aristolochiaceae	L	+	-	+	+	+	+	+	E
22	<i>Artabotrys speciosus</i> Kurz ex Hook. f. Thomson	Anonaceae	L	+	+	+	-	-	-	-	B
23	<i>Asparagus racemosus</i> Willd.	Liliaceae	C	+	-	+	+	-	-	-	C
24	<i>Aspidopterys elliptica</i> (Bl.) A. Juss.	Malpghiaceae	C	+	-	-	-	-	-	-	A
25	<i>Atalantia monophylla</i> DC.	Rutaceae	L	+	-	-	-	-	-	-	A
26	<i>Bauhinia stipularis</i> Korth.	Caesalpiniaceae	L	+	-	-	-	-	-	-	A
27	<i>Bougainvillea spectabilis</i> Willd.	Nyctaginaceae	L	+	-	+	-	+	-	-	C
28	<i>Bridelia cinnamomea</i> Hook.f	Euphorbiaceae	L	+	-	-	-	-	-	-	A
29	<i>Bridelia stipularis</i> (L.) Bl.	Euphorbiaceae	L	+	+	-	-	-	-	-	B
30	<i>Byttneria andamanensis</i> Kurz	Sterculiaceae	L	+	+	+	-	-	-	-	C
31	<i>Byttneria grandifolia</i> DC.	Sterculiaceae	L	+	-	-	-	-	+	-	B
32	<i>Caesalpinia andamanica</i> (Prain) Hattink	Caesalpiniaceae	L	+	-	-	-	-	-	-	A
33	<i>Caesalpinia bonduc</i> (L.) Roxb.	Caesalpiniaceae	L	+	+	+	+	+	+	+	E
34	<i>Caesalpinia crista</i> L.	Caesalpiniaceae	L	+	+	+	+	+	+	+	E
35	<i>Caesalpinia cucullata</i> Roxb.	Caesalpiniaceae	L	+	-	-	-	-	-	-	A
36	<i>Caesalpinia enneaphylla</i> Roxb.	Caesalpiniaceae	L	+	-	-	-	-	-	-	A
37	<i>Caesalpinia hymenocarpa</i> (Prain) Hattink	Caesalpiniaceae	L	+	-	+	-	-	-	-	B
38	<i>Cajanus crassus</i> (Prain & King) van der Maesen	Papilionaceae	C	+	-	-	-	-	-	-	A
39	<i>Calamus andamanicus</i> Kurz	Arecaceae	L	+	-	+	-	-	-	+	C
40	<i>Calamus longisetus</i> Griff.	Arecaceae	L	+	-	-	-	-	-	+	B
41	<i>Calamus palustris</i> Griff.	Arecaceae	L	+	+	+	-	-	-	-	C
42	<i>Calamus pseudorivalis</i> Becc.	Arecaceae	L	+	+	+	-	-	-	+	C
43	<i>Calamus viminalis</i> Willd.	Arecaceae	L	+	+	+	-	-	-	-	C
44	<i>Calycopteris floribunda</i> (Roxb.) Lam	Combretaceae	L	+	-	-	-	-	-	-	A
45	<i>Canavalia cathartica</i> Thou.	Papilionaceae	C	+	+	+	-	+	+	+	E
46	<i>Capparis floribunda</i> Wight	Cappariadaceae	L	+	-	-	-	-	-	-	A
47	<i>Capparis micrantha</i> DC.	Cappariadaceae	L	+		+	-	-	-	-	B
48	<i>Capparis sepiaria</i> L.	Cappariadaceae	L	+	-	-	-	-	-	-	A
49	<i>Capparis zeylanica</i> L.	Cappariadaceae	L	+	+	+	-	-	-	-	C
50	<i>Cardiospermum halicacabum</i> L.	Sapindaceae	C	+	+	+	-	-	-	-	C

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51	<i>Cayratia japonica</i> (Thunb.) Gagnep.	Vitaceae	C	+	+	+	-	-	-	-	C
52	<i>Cayratia pedata</i> (Lam.) Juss. Ex Gagnep.	Vitaceae	C	+	-	-	-	-	-	-	A
53	<i>Cayratia trifolia</i> (L.) Domin	Vitaceae	C	+	-	+	+	+	+	+	E
54	<i>Celastrus paniculatus</i> Willd.	Celastraceae	L	+	-	-	-	-	-	-	A
55	<i>Chonemorpha fragrans</i> (Moon) Alston	Apocynaceae	L	+	+	+	-	-	-	-	C
56	<i>Cissampelos pareira</i> L.	Menispermaceae	C	+	-	-	-	-	-	-	A
57	<i>Cissus discolor</i> Bl.	Vitaceae	C	+	-	+	-	-	-	-	B
58	<i>Cissus elongata</i> Roxb.	Vitaceae	C	+	-	+	-	-	-	-	B
59	<i>Cissus pentagona</i> Roxb.	Vitaceae	C	+	-	-	-	-	-	-	A
60	<i>Cissus repens</i> Lam.	Vitaceae	C	+	-	-	-	-	-	-	A
61	<i>Clematis smilacifolia</i> Wall. Subsp. <i>andamanica</i> Kapoor	Ranunculaceae	C	+	-	-	-	-	-	+	B
62	<i>Clitoria ternate</i> L.	Papilionaceae	C	+	-	-	-	-	-	-	A
63	<i>Coccinia grandis</i> (L.) J. Voigt.	Cucurbitaceae	C	+	-	-	+	-	-	-	B
64	<i>Cocculus hirsutus</i> (L.) Diels	Menispermaceae	L	+	-	-	-	-	-	-	A
65	<i>Cocculus pendulus</i> (J.R. & G. Forst.) Diels	Menispermaceae	L	+	-	-	-	-	-	-	A
66	<i>Colubrina asiatica</i> (L.) Brongn.	Rhamnaceae	L	+	-	+	+	+	+	+	E
67	<i>Combretum latifolium</i> Bl.	Combretaceae	L	+	+	+	-	-	+	+	D
68	<i>Combretum porterianum</i> (Cl.) Wall. ex Craib.	Combretaceae	L	+	-	-	-	-	-	-	A
69	<i>Combretum punctatum</i> Bl. ssp. <i>squamosum</i> (Roxb. ex G. Don.) Excell.	Combretaceae	L	+	-	+	-	-	-	+	B
70	<i>Combretum roxburghii</i> Spreng.	Combretaceae	L	+	-	-	-	-	-	-	A
71	<i>Connarus semidecandrus</i> Jack.	Connaraceae	L	+	-	+	-	-	-	+	B
72	<i>Cosmostigma racemosum</i> (Roxb.) Wight	Asclepiadaceae	L	+	-	-	-	-	-	-	A
73	<i>Cryptolepis buchananii</i> Schultes	Asclepiadaceae	L	+	-	+	-	-	-	-	B
74	<i>Cryptolepis grandiflora</i> Wight	Asclepiadaceae	L	+	-	-	-	-	-	-	A
75	<i>Cryptolepis sinensis</i> (Loureiro) Merr.	Asclepiadaceae	L	+	+	+	+	-	-	-	D
76	<i>Cucumis melo</i> L.	Cucurbitaceae	C	+	+	+	-	+	-	+	C
77	<i>Cuscuta reflexa</i> Roxb.	Convolvulaceae	C	+	-	-	-	-	-	-	A
78	<i>Cyathostemma viridiflorum</i> Griff.	Anonaceae	L	+	-	-	-	-	-	-	A
79	<i>Cyclea peltata</i> (Lam.) Hook. f. & Thomson	Menispermaceae	C	+	+	+	-	+	+	+	E
80	<i>Cyclea pendulina</i> Miers	Menispermaceae	C	+	-	-	-	+	-	-	B
81	<i>Cynanchum corymbosum</i> Wight	Asclepiadaceae	L	+	-	-	-	-	+	-	B
82	<i>Cynanchum wallichii</i> Wight	Asclepiadaceae	L	+	-	-	-	-	+	-	B
83	<i>Daemonorops kurzianus</i> Becc	Arecaceae	L	+	-	-	-	-	-	-	A
84	<i>Daemonorops manii</i> Becc	Arecaceae	L	+	-	-	-	-	-	-	A

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85	<i>Dalbergia candenatensis</i> (Dennst.) Prain	Papilionaceae	C	+	-	-	-	-	-	-	A
86	<i>Dalbergia confertiflora</i> Bth.	Papilionaceae	L	+	-	-	-	-	-	-	A
87	<i>Dalbergia junghuhii</i> Bth.	Papilionaceae	L	+	+	+	+	-	-	-	D
88	<i>Dalbergia volubilis</i> Roxb.	Papilionaceae	C	+	-	-	-	-	-	-	A
89	<i>Davallia solida</i> (Forst.) Sw.	Davalliaceae	EC	+	-	+	-	-	+	+	D
90	<i>Derris andaminaca</i> Prain	Papilionaceae	L	+	+	+	-	-	-	-	C
91	<i>Derris elegans</i> Bth. f. <i>andamanensis</i>	Papilionaceae	L	+	-	-	-	-	-	-	A
92	<i>Derris elegans</i> Bth. f. <i>elegans</i>	Papilionaceae	L	+	-	-	-	-	-	-	A
93	<i>Derris elliptica</i> (Wall.) Bth.	Papilionaceae	L	+	-	-	-	-	-	-	A
94	<i>Derris scandens</i> (Roxb.) Bth.	Papilionaceae	L	+	+	+	-	-	-	-	C
95	<i>Derris trifolita</i> Lour.	Papilionaceae	L	+	+	+	-	+	-	-	D
96	<i>Desmos cochinchinensis</i> Lour.	Anonaceae	L	+	-	-	-	-	-	-	A
97	<i>Dinochloa andamanica</i> Kurz	Poaceae	L	+	+	-	-	-	-	+	C
98	<i>Dinochloa scandens</i> (Bl. ex Nees) Kuntze	Poaceae	L	+	-	-	-	-	+	+	C
99	<i>Dioclea hexandra</i> (Ralph) Mabberley	Papilionaceae	C	+	-	-	-	-	-	-	A
100	<i>Dioscorea alata</i> L.	Dioscoreaceae	C	+	-	+	-	-	-	-	B
101	<i>Dioscorea belophylla</i> Voigt ex Haines	Dioscoreaceae	C	+	-	+	-	-	-	-	B
102	<i>Dioscorea bulbifera</i> L.	Dioscoreaceae	C	+	-	+	-	-	-	-	B
103	<i>Dioscorea esculenta</i> (Loureiro) Burkill	Dioscoreaceae	C	+	-	+	-	+	-	-	C
104	<i>Dioscorea hispida</i> Dennst.	Dioscoreaceae	C	+	-	-	-	-	-	-	A
105	<i>Dioscorea oppositifolia</i> L.	Dioscoreaceae	C	+	-	-	-	-	-	-	A
106	<i>Dioscorea pentaphylla</i> L.	Dioscoreaceae	C	+	-	+	-	-	-	-	B
107	<i>Dioscorea tomentosa</i> J. Koenig ex Sprengel	Dioscoreaceae	C	+	-	-	-	-	-	-	A
108	<i>Dioscorea wallichii</i> Hook.f.	Dioscoreaceae	C	+	-	-	-	-	-	-	A
109	<i>Diploclisia glaucescens</i> (Bl.) Diels	Menispermaceae	L	+	-	-	-	-	-	-	A
110	<i>Dischidia nummularia</i> R. Brown	Asclepiadaceae	EC	+	-	+	+	+	+	+	E
111	<i>Dregea volubilis</i> (L. f.) Bth. ex Hooker	Asclepiadaceae	C	+	-	+	-	+	-	-	C
112	<i>Entada rheedei</i> Spr.	Mimosaceae	L	+	-	-	-	-	-	-	A
113	<i>Erycibe expansa</i> Wall. ex G. Don	Convolvulaceae	C	+	-	-	-	-	-	-	A
114	<i>Evolvulus alsinoides</i> (L.) L.	Convolvulaceae	C	+	-	-	-	-	-	-	A
115	<i>Ficus fruticosa</i> Roxb.	Moraceae	L	+	-	-	-	-	-	-	A
116	<i>Ficus sagittata</i> Vahl	Moraceae	EC	+	-	-	-	-	-	-	A
117	<i>Ficus sarmentosa</i> Buchanan-Hamilton ex Smith	Moraceae	L	+	-	-	-	-	-	-	A
118	<i>Flagellaria indica</i> L.	Flagellariaceae	C	+	+	+	+	+	+	+	E
119	<i>Friesodielsia khoshooi</i> Vasud. & T. Chakrab.	Anonaceae	L	+	-	-	-	-	-	+	B
120	<i>Genianthus laurifolius</i> Hook.f.	Asclepiadaceae	C	+	-	+	-	-	-	-	B

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121	<i>Gloriosa superba</i> L.	Liliaceae	C	+	-	+	+	-	-	-	C
122	<i>Gnetum scandens</i> (Warburg) Chun	Gnetaceae	L	+	-	-	-	-	-	+	B
123	<i>Gouania andamanica</i> var. <i>andamanica</i> King	Rhamnaceae	L	+	-	-	-	-	-	-	A
124	<i>Gouania leptostachya</i> DC.	Rhamnaceae	L	+	-	-	-	-	-	-	A
125	<i>Gymnema latifolium</i> Wall. ex Wight	Asclepiadaceae	L	+	+	+	-	-	+	-	D
126	<i>Gymnopetalum cochinchinense</i> Kurz	Cucurbitaceae	C	+	-	-	-	+	+	-	C
127	<i>Gynochthodes macrophylla</i> Kurz	Rubiaceae	L	+	-	-	-	-	-	-	A
128	<i>Harrisonia brownii</i> A.H.L.Juss.	Simaroubaceae	L	+	+	+	-	-	-	-	C
129	<i>Harrisonia perforata</i> (Blanco) Merr.	Simaroubaceae	L	+	+	+	-	-	-	-	C
130	<i>Heterostemma tanjoreense</i> Wight & Arn.	Asclepiadaceae	C	+	-	-	-	-	-	-	A
131	<i>Heterostemma wallichii</i> Wight	Asclepiadaceae	C	+	-	-	-	-	-	-	A
132	<i>Hewittia malabarica</i> (L.) Suresh	Convolvulaceae	C	+	-	-	-	-	-	-	A
133	<i>Hibiscus scandens</i> Roxb.	Malvaceae	L	+	+	+	-	-	-	-	C
134	<i>Hippocratea grahamii</i> Wight	Celastraceae	L	+	-	-	-	-	-	-	A
135	<i>Hiptage benghalensis</i> (L.) Kurz	Malpghiaceae	L	+	+	+	-	-	+	-	C
136	<i>Hiptage thothathrii</i> Balakr. & Srivastava	Malpghiaceae	C	+	-	-	-	-	-	-	A
137	<i>Hoya globulosa</i> Hook.f.	Asclepiadaceae	EC	+	+	+	-	-	-	+	C
138	<i>Hoya parasitica</i> Wall. ex Wight	Asclepiadaceae	EC	+	+	+	+	+	+	+	E
139	<i>Ichnocarpus frutescens</i> (L.) W. T. Aiton	Apocynaceae	L	+	-	-	-	-	-	-	A
140	<i>Illigera appendiculata</i> Bl.	Hernandiaceae	L	+	-	-	-	-	-	+	B
141	<i>Ipomoea alba</i> L.	Convolvulaceae	C	+	-	-	-	-	-	-	A
142	<i>Ipomoea eriocarpa</i> R. Brown	Convolvulaceae	C	+	-	-	-	-	-	-	A
143	<i>Ipomoea hirtifolia</i> R. C. Fang & S. H. Huang	Convolvulaceae	C	+	-	-	-	-	-	+	B
144	<i>Ipomoea nil</i> (L.) Roth	Convolvulaceae	C	+	-	-	-	-	-	-	A
145	<i>Ipomoea obscura</i> (L.) Ker Gawler	Convolvulaceae	C	+	-	-	-	-	-	-	A
146	<i>Ipomoea pes-caprae</i> (L.) R. Brown	Convolvulaceae	C	+	+	+	+	+	+	+	E
147	<i>Ipomoea pes-tigridis</i> L.	Convolvulaceae	C	+	-	-	-	-	-	-	A
148	<i>Ipomoea sepiaria</i> Roxb.	Convolvulaceae	C	+	-	-	+	-	-	-	B
149	<i>Jacquemontia paniculata</i> (N. L. Burman) H. Hallier	Convolvulaceae	C	+	-	-	-	-	-	-	A
150	<i>Jasminum angustifolium</i> (L.) Willd.	Oleaceae	L	+	-	-	-	-	-	-	A
151	<i>Jasminum arborescens</i> Roxb.	Oleaceae	L	+	-	-	-	-	-	-	A
152	<i>Jasminum azoricum</i> L.	Oleaceae	L	+	-	-	-	-	-	-	A
153	<i>Jasminum cordifolium</i> Wall.	Oleaceae	L	+	-	+	-	-	-	-	B
154	<i>Jasminum lanceolaria</i> Roxb.	Oleaceae	L	+	-	-	-	-	-	-	A
155	<i>Jasminum multiflorum</i> (N. L. Burman) Andrews	Oleaceae	L	+	-	-	-	-	-	-	A
156	<i>Jasminum sambac</i> (L.) Aiton	Oleaceae	L	+	-	-	-	-	-	-	A

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157	<i>Jasminum subglandulosum</i> Kurz	Oleaceae	L	+	-	-	-	-	-	-	-	A
158	<i>Korthalsia laciniosa</i> (Griff.) Mart.	Arecaceae	L	+	-	-	-	-	-	-	-	A
159	<i>Lablab purpureus</i> (L.) Sweet	Papilionaceae	C	+	-	-	-	-	-	-	-	A
160	<i>Luffa cylindrica</i> (L.) M. Roemer	Cucurbitaceae	C	+	+	+	+	+	+	+	+	E
161	<i>Lygodium flexuosum</i> (L.) Sw.	Lygodiaceae	C	+	+	+	+	+	+	+	+	E
162	<i>Merremia umbellata</i> subsp. <i>orientalis</i> (H. Hallier) van Ooststroom	Convolvulaceae	C	+	-	-	-	-	-	-	-	A
163	<i>Momordica charantia</i> L.	Cucurbitaceae	C	+	+	+	+	+	+	+	+	E
164	<i>Momordica cochinchinensis</i> Spreng.	Cucurbitaceae	C	+	+	+	+	+	+	+	+	E
165	<i>Mucuna gigantea</i> (Willd.) DC.	Papilionaceae	L	+	+	+	+	+	-	+	+	E
166	<i>Mucuna monosperma</i> DC. ex Wight	Papilionaceae	L	+	+	+	+	-	-	-	-	D
167	<i>Myxopyrum smilacifolium</i> Bl.	Oleaceae	L	+	-	-	-	-	+	-	-	B
168	<i>Olex imbricata</i> Roxb.	Olacaceae	L	+	+	+	-	+	-	-	-	D
169	<i>Operculina turpethum</i> (L.) S. Manso	Convolvulaceae	C	-	-	+	+	+	+	-	-	D
170	<i>Operculina riedeliana</i> (Oliv.) Oost	Convolvulaceae	C	+	-	-	-	-	-	-	-	A
171	<i>Paederia foetida</i> L.	Rubiaceae	C	+	-	-	-	-	-	-	-	A
172	<i>Paederia scandens</i> (Lour.) Merr.	Rubiaceae	L	+	+	+	-	+	-	-	-	D
173	<i>Parabaena sagittata</i> Miers ex Hook. F. & Thomson	Menispermaceae	L	+	-	-	-	-	-	-	-	A
174	<i>Paramignya andamanica</i> (King) Tan.	Rutaceae	L	+	-	+	-	-	+	+	+	D
175	<i>Parsonsia alboflavescens</i> (Dennstedt) Mabberley	Apocynaceae	L	+	-	+	+	+	+	+	+	E
176	<i>Passiflora foetida</i> L.	Passifloraceae	C	+	-	-	-	-	-	-	-	A
177	<i>Pathos scandens</i> L.	Araceae	C	+	-	-	-	-	-	-	-	A
178	<i>Piper betle</i> L.	Piperaceae	C	+	-	-	-	-	+	+	+	C
179	<i>Piper longum</i> L.	Piperaceae	C	+	-	-	-	+	-	-	-	B
180	<i>Piper pedicellatum</i> C. de Candolle	Piperaceae	C	+	-	-	-	-	-	-	-	A
181	<i>Piper wallichii</i> (Miquel) Handel-Mazzetti	Piperaceae	C	+	-	-	-	-	+	+	+	C
182	<i>Pisonia aculeata</i> L.	Nyctaginaceae	L	+	+	+	+	-	-	-	-	D
183	<i>Plecosperrum andamanicum</i> King	Moraceae	L	+	-	+	-	-	-	-	-	B
184	<i>Porana spectabilis</i> Kurz	Convolvulaceae	C	+	-	+	+	-	-	-	-	C
185	<i>Pterolobium macropterum</i> Kurz	Caesalpiniaceae	L	+	+	+	-	-	-	-	-	B
186	<i>Pueraria tuberosa</i> (Willd.) DC.	Papilionaceae	L	+	-	-	-	-	-	-	-	A
187	<i>Pycnarrhena longifolia</i> (Decne ex Miq.) Bece.	Menispermaceae	C	+	-	-	-	-	-	-	-	A
188	<i>Quisqualis indica</i> L.	Combretaceae	C	+	-	-	-	-	-	-	-	A
189	<i>Raphidophora pertusa</i> (Roxb.) Schott	Araceae	C	+	-	-	-	-	-	-	-	A
190	<i>Salacia exsculpta</i> Korth.	Celastraceae	L	+	-	-	-	-	-	-	-	A
191	<i>Salacia tortuosa</i> Griff.	Celastraceae	L	+	-	-	-	-	-	-	-	A
192	<i>Sarcostemma acidum</i> (Roxb.) Voigt	Asclepiadaceae	L	+	-	-	-	-	-	-	-	A



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193	<i>Sarcostigma kleinii</i> Wight & Arn.	Icacinaceae	L	+	-	-	-	-	-	-	-	A
194	<i>Scindapsus officinalis</i> (Roxb.) Schott	Araceae	L	+	+	+	-	-	+	-	-	D
195	<i>Smilax aspera</i> L.	Smilacaceae	L	+	-	-	-	-	-	-	-	A
196	<i>Smilax aspericaulis</i> Wall. ex A. de Candolle	Smilacaceae	L	+	-	-	-	-	-	-	-	A
197	<i>Smilax bracteata</i> C. Presl	Smilacaceae	L	+	-	-	-	-	-	-	-	A
198	<i>Smilax glabra</i> Roxb.	Smilacaceae	L	+	-	-	-	-	-	-	-	A
199	<i>Smilax hemsleyana</i> Craib	Smilacaceae	L	+	-	-	-	-	-	-	-	A
200	<i>Smilax lanceaefolia</i> Roxb.	Smilacaceae	L	+	-	-	-	-	-	-	-	A
201	<i>Smilax ovalifolia</i> Roxb.	Smilacaceae	L	+	-	-	-	-	+	-	-	B
202	<i>Spatholobus acuminatus</i> Bth.	Papilionaceae	L	+	-	+	-	-	-	-	-	B
203	<i>Sphenodesme involucrata</i> (Presl) Robinson	Verbenaceae	L	+	-	-	-	-	-	-	-	A
204	<i>Stephania andamanica</i> Diels	Menispermaceae	L	+	-	-	-	-	-	-	-	A
205	<i>Stephania elegans</i> Hook.f. & Thomson	Menispermaceae	C	+	-	-	-	-	-	-	-	A
206	<i>Stephania hernandifolia</i> (Willd.) Walpers	Menispermaceae	C	+	-	-	-	-	-	-	-	A
207	<i>Stephania japonica</i> (Thunb.) Miers	Menispermaceae	C	+	-	-	-	-	-	-	-	A
208	<i>Stephania japonica</i> var: <i>discolor</i> (Bl.) Forman	Menispermaceae	C	+	-	-	-	-	-	-	-	A
209	<i>Stictocardia tiliifolia</i> (Desrousseaux) H. Hallier	Convolvulaceae	C	+	-	-	-	-	-	-	-	A
210	<i>Stixis suaveolens</i> (Roxb.) Pierre	Capparidaceae	L	+	-	-	-	-	-	-	-	A
211	<i>Strongylodon lucidus</i> (Frost.) Seemann	Papilionaceae	L	+	-	-	-	-	-	-	-	A
212	<i>Strophanthus caudatus</i> (L.) Kurz	Apocynaceae	L	+	-	+	-	-	-	-	-	B
213	<i>Strophanthus wallichii</i> A. de Candolle	Apocynaceae	L	+	-	-	-	-	-	-	-	A
214	<i>Strychnos anandamanensis</i> Hill.	Loganiaceae	L	+	-	+	-	-	-	+	-	C
215	<i>Strychnos axillaris</i> Colebrooke	Loganiaceae	L	+	-	+	-	-	+	+	-	D
216	<i>Strychnos minor</i> Dennst.	Loganiaceae	L	+	-	-	-	-	-	-	-	A
217	<i>Strychnos wallichiana</i> Steudel ex A. de Candolle	Loganiaceae	L	+	-	-	-	-	-	-	-	A
218	<i>Tetracera sarmentosa</i> ssp. <i>andamanica</i> (Hoogl.) Hoohl.	Dilleniaceae	L	+	+	+	-	-	-	-	-	C
219	<i>Tetrastigma andamanicum</i> (King) Suesseng.	Vitaceae	L	+	-	-	-	-	-	-	-	A
220	<i>Tetrastigma lanceolarium</i> (Roxb.) Planchon in A. & C. DC.	Vitaceae	C		+	+	+	+	+	+	+	E
221	<i>Tetrastigma leucostaphyllum</i> (Dennst.) Alston ex Mabb.	Vitaceae	C		+	-	-	-	-	-	-	A
222	<i>Tetrastigma planicaule</i> (Hook.) Gagnepain,	Vitaceae	C	+	-	-	-	-	-	-	-	A
223	<i>Tetrastigma serrulatum</i> (Roxb.) Planch.	Vitaceae	C	+	-	-	-	-	-	-	-	A
224	<i>Thunbergia alata</i> Bojer ex Sims	Thunbergiaceae	C	+	-	-	-	-	-	-	-	A
225	<i>Thunbergia coccinea</i> Wall. ex Don.	Thunbergiaceae	C	+	-	-	-	-	-	-	-	A
226	<i>Thunbergia fragrans</i> Roxb.	Thunbergiaceae	C	+	-	-	-	-	-	-	-	A

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227	<i>Thunbergia grandiflora</i> (Rottler) Roxb.	Thunbergiaceae	C	+	-	-	-	-	-	-	-	A
228	<i>Thunbergia laurifolia</i> Lindley	Thunbergiaceae	C	+	+	+	+	-	-	+	-	D
229	<i>Thunbergia mysorensis</i> (Wight) Anderson ex Bedd.	Thunbergiaceae	C	+	-	-	-	-	-	-	-	A
230	<i>Tinospora cordifolia</i> (Willd.) Hook.f. & Thomson	Menispermaceae	C	+	+	+	-	-	-	-	+	D
231	<i>Tinospora glabra</i> (Burm.f.) Merr.	Menispermaceae	C	+	-	-	-	-	-	-	-	A
232	<i>Tournefortia ovata</i> Wall. ex G. Don	Boraginaceae	C	+	-	-	-	-	-	-	-	A
233	<i>Toxocarpus concanensis</i> Hook.f.	Asclepiadaceae	L	+	-	-	-	-	-	-	-	A
234	<i>Toxocarpus himalensis</i> Falconer ex Hook.f.	Asclepiadaceae	L	+	-	-	-	-	-	-	-	A
235	<i>Tridynamia megalantha</i> (Merrill) Staples	Convolvulaceae	C	+	-	-	-	-	-	-	-	A
236	<i>Tylophora capparidifolia</i> Wight & Arn.	Asclepiadaceae	C	+	-	-	-	-	-	-	-	A
237	<i>Tylophora glabra</i> Costantin	Asclepiadaceae	L	+	-	-	-	-	-	-	-	A
238	<i>Tylophora zeylanica</i> Dene.	Asclepiadaceae	L	+	-	-	-	-	-	-	-	A
239	<i>Tylophora indica</i> (Burm.f.) Merr.	Asclepiadaceae	C	+	-	-	-	-	-	-	-	A
240	<i>Uncaria cordata</i>	Rubiaceae	L	+	+	+	-	-	+	-	-	D
241	<i>Uvaria andamanica</i> King	Anonaceae	L	+	-	-	-	-	-	-	-	A
242	<i>Uvaria cordata</i> (Dunal) Alston	Anonaceae	L	+	-	-	-	-	+	+	-	B
243	<i>Uvaria hamiltoni</i> var. <i>Kurzii</i> Arn.	Anonaceae	L	+	-	-	-	-	-	-	-	A
244	<i>Uvaria rufa</i> Bl.	Anonaceae	L	+	-	-	-	-	-	-	-	A
245	<i>Vallaris solanacea</i> (Roth) Kuntze	Apocynaceae	L	+	-	-	-	-	-	-	-	A
246	<i>Ventilago denticulate</i> Willd.	Rhamnaceae	L	+	-	-	-	-	-	-	-	A
247	<i>Ventilago madraspatana</i> Gaertn.	Rhamnaceae	L	+	+	+	-	-	-	-	-	C
248	<i>Vigna adenantha</i> (G. F. Meyer) Marechal & Stainier	Papilionaceae	C	+	+	+	-	-	-	-	-	B
249	<i>Vigna marina</i> (Burm. f.) Merr.	Papilionaceae	C	+	+	+	-	-	-	-	-	B
250	<i>Vigna pilosa</i> (Willd.) Baker	Papilionaceae	C	+	-	-	-	-	-	-	-	A
251	<i>Vigna unguiculata</i> (L.) Walp. ssp. <i>cylindrical</i> (L.) van Eseltine	Papilionaceae	C		+	-	-	-	-	-	-	A
252	<i>Ziziphus oenoplia</i> (L.) Mill var. <i>oenoplia</i>	Rhamnaceae	L	+	-	-	-	-	-	-	-	A
253	<i>Ziziphus oenoplia</i> (L.) Mill Var. <i>pallens</i> Bhandari & Bhansali	Rhamnaceae	L	+	-	-	-	-	-	-	-	A

**Symbols depict as follows:** NA = North Andaman; MA = Middle Andaman; SA = South Andaman; LA = Little Andaman; NN = North Nicobars; CN = Central Nicobars; SN = South Nicobars; Presence Class- A represents distribution in 1-20% groups of Islands; B in 21-40%; C in 41-60%; D in 61-80% and E in 81-100%. C = Climber, L = Liana; E Cl = Epiphytic Climber

## Research Article

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