



TAXONOMIC CENSUS OF THE ORCHIDS OF WEST BENGAL, INDIA

Sunit Mitra^{1*}, Subhajit Bandyopadhyay² and Sobhan Kumar Mukherjee³

¹Department of Botany, Ranaghat College, Ranaghat, Nadia-741201 (West Bengal), India.

²Department of Botany, Narasinha Datt College, Howrah-711101 (West Bengal), India.

³Plant Taxonomy and Biosystematics Laboratory, Department of Botany, University of Kalyani, Kalyani, Nadia-741235 (West Bengal), India.

Abstract

The state of West Bengal lies between 21° 45' to 27° 16' N latitude and 85° 55' to 89° 56' E longitude, covering an area of 87, 676 Sq. Km. which is about one third in area of the pre-partitioned Bengal province. In the present work analyzing the data given in the table 1, it is found that, the state of West Bengal harbor 460 Species & 6 varieties of Orchids, belonging to 110 genera. Out of the 466 taxa of Orchid, 321 are epiphytic, 2 are mycophytes, 1 – is saprophytes and the residual 142 taxa are terrestrial.

Key words : Orchids, West Bengal State, Taxonomy, Census.

Introduction

The state of West Bengal comes to exist on 15th August 1947, with the independence and partition of the British ruled Indian territory. During the process of the partition of the then Bengal Province of the British throne Sir Cyril Radcliff demarcated the partition line East – West Direction and the Eastern part of the “Radcliff’s” Line was demarcated as the East Pakistan and which is now designated as the independent country Bangladesh and the Western half of the Line is included in the Indian territory and named as West Bengal nee Paschim Banga.

The state of West Bengal lies between 21° 45' to 27° 16' N latitude and 85° 55' to 89° 56' E longitude, covering an area of 87, 676 Sq. Km. which is about one third in area of the pre-partitioned Bengal province. Not only that, partitioned by the arbitrary Radcliff's Line the five districts of the Northern halves of the state *viz.*, Alipur Duar, Kalimpong, Darjeeling, Jalpaiguri, and Koch Bihar more or less isolated from the rest Southern part of the state except a narrow corridor through Uttar Dinajpur (Anonymous, 1997).

This is the only state of India which has a flora ranging from the most impressive littoral Mangrove

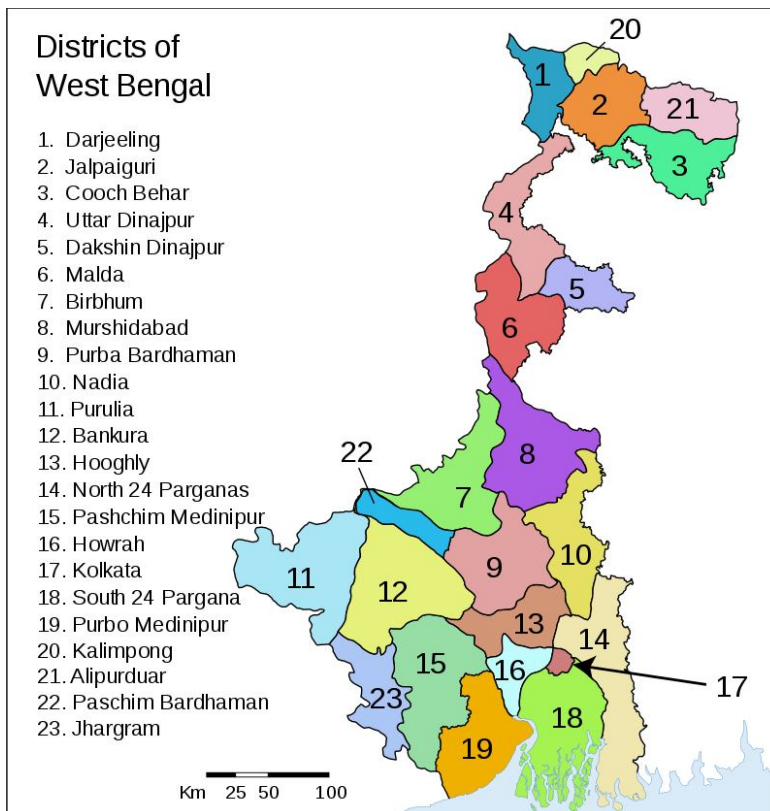
**Author for correspondence* : E-mail: drsunitmitra.1@gmail.com

Forest of the Sundarnans to the luxuriant vegetation of the Himalayan foot hills of the Terai region and the vegetation upward culminating to the temperate zone in the Districts of Darjeeling Himalayas (Bhattacharya, 1997). It is bounded by the Bangladesh and State of Assam in the East, Sikkim state and a portion of the Nepal and Bhutan configure its Northern Boundary, the western Boundary is demarcated by the state of Bihar, Jharkhand, and Orissa and the rolling waves of Bay of Bengal bordered the Southern boundary of the state.

At present the state of West Bengal is divided into 23 districts comprising of more than 400 blocks and over 4300 villages (District Map of the state is given below).

Except the Western districts (Purulia, West Bardhaman, and Jhargram, & part of the West Medinipur) which are the extension of the Chota Nagpur Plateau, the residual part of the state geographically can be divided into three natural geographical regions *viz.*, the northern Himalayan region included the Darjeeling Himalaya and the Northern Plain land extended from the South of the Darjeeling district up to the Malda District and the Southern massive Gangetic plain extended from the South of the Malda District to the creeks of the Sundarban Delta of the South 24 – Parganahs (Randha, Mitra & Mehta, 1964).

Map 1: Political Map of West Bengal showing its Districts.



[Source: Map of India Web portal.]

The state can be divided into five geographical regions (Chakravarty *et al.*, 1999) *viz.*, the Darjeeling, the Terai – Duars, the Western undulating highland plateau, North & Bengal plain and Gangetic Delta. Among these five vegetational zone the Darjeeling – Himalayan zone is belongs to the East – Himalayan Hotspots zone and it is the richest floristic zone of the state. From the point of view of the orchid flora richness the Darjeeling Himalayan region and Terai – Duars region of the Northern half of the state is the richest area because they providing the most suitable environmental condition for the growth of the orchids.

Starting from the work of William Roxburgh’s *Hortus bengalensis* (1814), the “Orchid flora” of the West Bengal state has been explored by various workers before independence as the flora of Bengal province under British rule and after independence as the state flora of West Bengal. Some of such eminent works of-Bandyopadhyaya & Mukherjee (2017), Biswas (1946), Bist & Khatam (1999), Bose *et al.*, (1980,1999), Bruhl (1926), Clarke(1877, 1885, 1886), Das (1997, 1998, 2001, 2002, 2011), Das *et al.*, (1993,1995, 2010), Haines (1921 – 1924), Hara (1961,1965, 1966,1971), Hara *et al.*, (1978, 1979, 1982), Hedge (1990), Hooker, J. D. (1849 – 1850, 1888 - 1890), King & Pantling (1898), Mathew (1966),

Mitra & Mukherjee (2012), Mitra *et al.*, (2010), Mukherjee (1972), Mukherjee (1988), Ohashi (1975), Pierce & Cribb (2002), Pradhan (1976, 1979), Prain (1903a, 1903b, 1905), Sarkar (1995), Yonzane *et al.*, (2011, 2012a, 2012b,) and many others.

Materials and Methods

In this present work an attempt has been made to prepare an updated list of the Orchids grown within the political boundary of the state of West Bengal along with their up to date Nomenclature. The entire work is based on all available literature and the scrutiny of Herbarium specimens deposited at Llyod Botanical Garden Herbarium, Central National Herbarium (CAL), Industrial

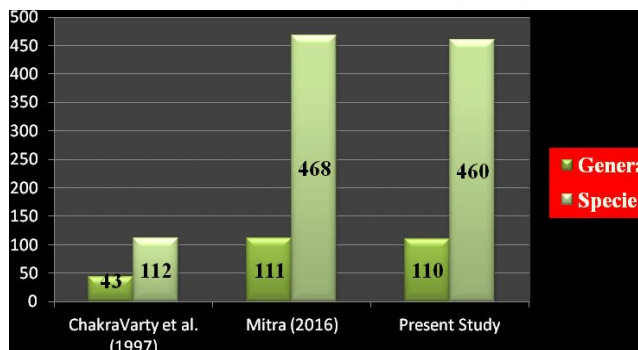


Fig. 1: Consectus of the Genera & Species of West Bengal.

Table 1: List of the Orchids of West Bengal State.

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
1	Acampe Lindl.	1	<i>Acampe carinata</i> (Griff.) Panigr., Taxon 34(4): 688. 1985.	E	Sept. – Apr.	Duars, BTR, Kalijhora, Kurseong, Sevoke,	150–900
		2	<i>Acampe ochracea</i> (Lindl.) Hochr., Bull. New York Bot. Gard. 6 : 270. 1910.	E	Nov – Jan.	Duars, BTR, Darjeeling	300-500
		3	<i>Acampe praemorsa</i> (Roxb.) Blatter & McCann, Jour. Bombay Nat. Hist. Soc. 35: 495. 1932. var: <i>praemorsa</i> : Das <i>et al</i> , Pleione 4(1): 155. 2010.	E	Oct. – Apr.	Almost all places of Terai, Foot hills, Dooars, Mahananda Wildlife Sanctuary, Tista river valley.	500 m
		4	<i>Acampe praemorsa</i> (Roxb.) Blatter & McCann, Jour. Bombay Nat. Hist. Soc. 35: 495. 1932. var: <i>flava</i> (AP. Das, T.K. Katham <i>et S.</i> Nirola) AP. Das <i>et S.</i> Nirola, <i>comb. nov.</i>	E	Nov. – Apr.	Duars & Darjeeling	850m
		5	<i>Acampe rigida</i> (Buch. – Ham. <i>ex J.E.</i> Smith) P.F. Hunt in Kew Bull. 24: 98. 1970.	E	Mar. – Jun.	Mahananda Wildlife Sanctuary, Tista river valley	500m
2	Acanthephippium Bl.	6	<i>Acanthephippium striatum</i> Lindl. in Bot. Reg. 24 : 41. misc. 68. 1839.	Tr	Apr. – Aug.	Kalimpong, Darjeeling	1800m
		7	<i>Acanthephippium sylhetense</i> Lindl., Gen. Sp. Orchid. Pl. 177. 1833.	Tr	Apr. – Oct.	Darjeeling, Terai Lower foot hills.	500-1300m
4	Acrochaene Lindl.	8	<i>Acrochaene punctata</i> Lindl., Fol. Orchid. Acrochaene 2 : 1. no. 1. 1853.	E	Oct. – Nov.	Dowhill, Darjeeling	1200–2200 m.
5	Aerides Lour.	9	<i>Aerides multiflora</i> Roxb., Pl. Coromanded 3: 68, t. 217. 1820.	E	Mar. – Jun.	Terai and hot river valleys, BTR, Duars, West Dinajpur, Kochbihar.	500 m
		10	<i>Aerides odorata</i> Lour., Fl. Cochinch. 2: 525. 1790;	E	Mar. – May.	Forests of Terai and hot river valleys	500m
		11	<i>Aerides roseum</i> Lodel <i>ex Lindl.</i> & Paxton. In Paxtons Fl. Gard. 2: 109. 1851	E	Mar. – Jan.	Adma, Tobagoon, Duars, BTR, West Bengal, E. Himalaya.	500m
6	Agrostophyllum Bl.	12	<i>Agrostophyllum brevipes</i> King & Pantl. in Ann. Roy. Bot. Gard. (Calcutta) 8: 156, t. 213. 1898	E	May – Jun.	Darjeeling, 27th mile, Algarah, Panbu Kalimpong	400 - 1600 m
		13	<i>Agrostophyllum callosum</i> Reichenbach f. in Seeman, Fl. Vit.: 295. 1868	E	Jul. – Aug.	Duars (BTR), Above Kurseong to Darjeeling	1700-2700 m
		14	<i>Agrostophyllum myrianthum</i> King & Pantl. in Ann. Roy. Bot. Gard. (Calcutta) 8: 155, t. 211. 1898.	E	Jul – Aug.	Duars (BTR), Above Sevoke, Soureni,	300 - 2100 m
		15	<i>Agrostophyllum planicaule</i> (Wall, <i>ex Lindl.</i>) Reichb. f. in Walp., Ann. Bot. Syst. 6 : 909. 1864	E	Aug. – Sept.	Darjeeling (Locality is not mentioned clearly)	500-610 m
7	Androcorys Schltr	16	<i>Androcorys gracile</i> (King & Pantl.) Schltr. in Nolzbl. Konigl. Bot. Gart. Berlin 7 : 397. 1920.	E	July – Aug.	Darjeeling	3350-4200 m
		17	<i>Androcorys pugioniformis</i> (Lindl. <i>ex Hook. f.</i>) K. Y. Lang in Guihaia 16(2) : 105. 1996	E	Jul. to Sept.	Darjeeling	3400 - 5200 m

Table 1 contd....

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Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
8	Ania Lindl.	18	<i>Ania penegiana</i> (Hook. f.) Summerh, Bot. Mag. 161: t. 9553. 1939.	Tr	Feb. – Mar.	Darjeeling	1200 – 1800m
9	Anoectochilus Bl.	19	<i>Anoectochilus brevilabris</i> Lindl., Gen. Sp. Orchid. Pl. 499. 1840.	Tr	Aug. – Oct.	BTR, Duars, Darjeeling	900 - 1500 m
		20	<i>Anoectochilus grandiflorus</i> Lindl., J. Proc. Linn. Soc., Bot. 1: 179. 1857.	Tr	Jun – Aug.	Algarah forest, Kalimpong.	900 – 1600 m
		21	<i>Anoectochilus roxburghii</i> (Wall.) Lindl., Ill. Bot. Himal. Mts. 368. 1839.	Tr	Nov. – Dec.	Duars (BTR), Darjeeling	350-1500 m
10	Anthogonium Wall. ex Lindl.	22	<i>Anthogonium gracile</i> Lindl., Gen. Sp. Orchid. Pl. 426. 1840.	Tr	Jun. – Nov.	Darjeeling	1000-2500 m
11	Aphyllorchis Bl.	23	<i>Aphyllorchis alpina</i> King & Pantl. in Ann. Royal Bot. Gard. Calcutta 8 : 261, t. 347, 1898.	E	Jul. – Sept.	Darjeeling	2100-4200 m
		24	<i>Aphyllorchis montana</i> Reichb f. Linnaea 41 : 57. 1877.	E	Jun. – Sept.	Darjeeling	600 - 2800 m
12	Apostasia Bl.	25	<i>Apostasia wallchii</i> R. Brown in Wall., Pl. Asiat. Rar. 1(4): 75. 1829.	E	Mar. – Oct.	Tista river valley	600 m.
13	Appendicula Bl.	26	<i>Appendicula cornuta</i> Bl., Bijdr. 1 : 302. 1825.	E	Jul. – Oct.	Kalijhora, Sepkhola, Darjeeling.	300 – 800 m
14	Arachnis Bl.	27	<i>Arachnis cathcartii</i> (Lindl.) J. J. Sm. In Natuurk Tijdschr Ned. Ind. 72: 75. 1912	E	Jun – Aug.	Duars, Buxa Tiger Reserve.	300 – 1200m
		28	<i>Arachnis labrosa</i> (Lindl. & Paxton) Reichb f. in Bot. Centralbr. 28 : 343. 1886.	E	Aug. – Sept.	Darjeeling	500 - 1500 m
15	Arundina Bl.	29	<i>Arundina graminifolia</i> (D. Don) Hochreutiner in Bull. New York Bot. Gard. 6: 270. 1910.	E	Feb. – Nov.	Duars (BTR), Darjeeling	300-2000 m
16	Ascocentrum Schlechter ex J.J. Smithi	30	<i>Ascocentrum ampullaceum</i> (Roxb.) Schlechter in Feddes Reper. Spec. Nov. Regni. Veg. 1 : 975. 1913.	E	Mar – Nov.	Duars (BTR), Tista river valley, Mahananda Wildlife Sanctuary	800m
17	Biermannia King & Pantl.	31	<i>Biermannia bimaculata</i> King & Pantl. in Ann. Royal. Bot. Gard. Calcutta 8 : 200. t. 267. 1898.	E	May – Jul.	Teesta Bridge, Kalimpong, Darjeeling	300 – 700m
18	Bulbophyllum Thouras	32	<i>Bulbophyllum affine</i> Lindl., Gen. Sp. Orchid. Pl. 48. 1830	E	Apr. – Jul.	Duars (BTR), Kalimpong, Mongpu, few places in Singalila National Park	700 – 2000m
		33	<i>Bulbophyllum andersonii</i> (Hook. f.) J. J. Smith in Bull. Jard. Bot. Britenz, Ser. 2, 8 : 22. 1912.	E	Sept. – Oct.	Different places in Darjeeling	400 – 2000m
		34	<i>Bulbophyllum apodium</i> Hook.f. in Hook.f., Fl. Brit. India 5: 766. 1890	E	May – June	Duars (BTR), Teesta river Bridge, Mali.	300 – 600m

Table 1 contd....

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Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
		35	<i>Bulbophyllum appendiculatum</i> (Rolfe) J. J. Smith in Bull. Jard. Bot. Buitenzord ser, 2: 8. 22. 1912	E	Oct. – Nov.	Darjeeling	300–1200m
		36	<i>Bulbophyllum bifurcatoflorens</i> (Fukuy.) J. J. Verm., Schuit, & de Vogel, Phytotaxa. 166: 104. 2014.	E	Mar. – Jun.	Darjeeling	400–950m
		37	<i>Bulbophyllum bisetum</i> Lindl. in Ann. Mag. Nat. Hist. 10: 186. 1842.	E	Mar – Oct.	Duars (BTR), Darjeeling (Unlocalised).	800–1900m
		38	<i>Bulbophyllum careyanum</i> (Hook.) Sprengel, Syst. Veg. ed. 16(3): 732. 1826	E	Oct – Mar.	Throughout Terai to middle hills forests	Up to 1200m
		39	<i>Bulbophyllum cariniflorum</i> Reichenbach. f. in Walpers, Ann. Bot. Syst. 6: 253. 1861	E	Jun. – Oct.	Kalimpomg	500–1500m.
		40	<i>Bulbophyllum cauliflorum</i> Hook. f. in Hook., IC. PL. t. 2036. 1890	E	May – Jul.	Darjeeling (Sukiapokhari,)	600–2000m.
		41	<i>Bulbophyllum crassipes</i> Hook. f., Fl. Brit. Ind. 5: 760. 1890;	E	Sept. Oct.	Forests of Terai (Mahananda Wildlife Sanctuary), Tista river valley, Kalimpong.	500m
		42	<i>Bulbophyllum cylindraceum</i> Wall. ex. Lindl., Gen. Sp. Orchid. Pl. 53. 1830.	E	Oct. – Jan.	Darjeeling (Place not mentioned)	1900–2300m
		43	<i>Bulbophyllum elatum</i> (Hook.) J. J. Smith in Bull. Jard. Bot Buitenz. ser, 2: 8 : 23, 1912.	E	May – Aug.	Darjeeling (Place not mentioned)	1600–2500 m
		44	<i>Bulbophyllum eublepharum</i> Reichb. f. in Walp., Ann. 6 : 252. 1861	E	Jul – Sept.	Darjeeling (Senchale)	1400–2500m
		45	<i>Bulbophyllum gamblei</i> (Hook. f.) Hook. f. Fl. Brit. Ind. 6: 188. 1890	E	Mar. – Jul.	Darjeeling (Senchale)	1500–2050m
		46	<i>Bulbophyllum gracilipes</i> King & Pantl. in Jour. Asiat. Soc. Bengal 65 (2) : 119. 1896	E	Mar. – Jun.	Duars (BTR), Rimbik Darjeeling.	500–660 m
		47	<i>Bulbophyllum guttatum</i> (Hook. f.) N. P. Balakrishnan in Jour. Bombay Nat. Hist. Soc 67: 66. 1970.	E	Apr. – Sept.	Mungpoo	600–2660 m
		48	<i>Bulbophyllum gynnopus</i> Hook, f., Fl. Brit, India 5(2): 764. 1890.	E	Dec. – Jan.	Jayanti hills, BTR, Bhutanghat, Duars.	600–1200m
		49	<i>Bulbophyllum hirtum</i> (J.E. Smith) Lindl, Gen. Sp. Orchid Pl. 51. 1830.	E	Oct. – Feb.	Darjeeling (Place not mentioned), Kalimpong.	1000–2600 m
		50	<i>Bulbophyllum hymenanthum</i> Hook. f. in Hook. f., Ic. Pl. 3 : t. 2046. 1890.	E	May – Jul.	Senchale	1400–2800m
		51	<i>Bulbophyllum interpositum</i> J. J. Verm., Schuit. & de Vogel, Phytotaxa 197: 59. 2015.	E	Apr. – Jul.	Lava, Lungshel, Kafer, Lava, Chimney-Kursong	1300–2000 m

Table 1 contd....

Table 1 contd....

Sl. No.	Genus	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
52		<i>Bulbophyllum khasyanum</i> Griff, Not. Pl. Asiat. 3 : 284, 185	E	Oct. – Jan.	Algarah, Kalimpong, Darjeeling	1400 – 2500m
53		<i>Bulbophyllum leopardinum</i> (Wall.) Lindl. ex Wall., Numer. List 1981 1829	E	Jun. – Oct.	Kurseong	1200 – 2200m
54		<i>Bulbophyllum leptanthum</i> Hook.f. in Hook.f., Fl. Brit. India 5 : 759, 1890.	E	Jul. – Aug.	Lava Kalimpong, Darjeeling (Rimbik).	1300 – 2400m
55		<i>Bulbophyllum muscicola</i> Reichb. f. in Flora 55. 275. 1872.	E	Sept. - Dec.	Darjeeling (Place not mentioned)	1400 - 2000 m
56		<i>Bulbophyllum odoratissimum</i> (J.E. Smith) Lindl. ex Wall., Numer. List 1987. 1828. Var. <i>odoratissimum</i> .	E	May – Jul.	Duars (BTR), Neora Valley and Singalila National Park (Darjeeling)	2000-2500 m
57		<i>Bulbophyllum penicillium</i> Parish & Reichenbach f., Trans. Linn. Soc. London 30: 151. 1874	E	Oct. – Jan.	Maneybhanjan (Darjeeling)	2000-2500 m.
58		<i>Bulbophyllum piluliferum</i> King & Pantl. in Ann. Royal Bot. Gard. Calcutta 8 : 76. 1104. 1898	E	May – Jun.	Darjeeling (Place not mentioned)	300 - 330 m
59		<i>Bulbophyllum polyrhizum</i> Lindl., Gen. Sp. Orchid. Pl. 53. 1830	E	Mar. – May	Mungpoo, Lesh khola, Rangit Valley	300 – 800 m
60		<i>Bulbophyllum protractum</i> Hook. f. in Hook. f. ed. Flora Brit. India. 5: 26. 1890	E	May – Jul.	Darjeeling, Terai Duars, BTR (Tobagoan, near to Indo Bhutan Border).	up to 1500m
61		<i>Bulbophyllum perpureofuscum</i> J. J. Verm., Schuit. & de Vogel, Phytotaxa 166: 105. 2014	E	Apr. – Jun.	Darjeeling	Up to 800m
62		<i>Bulbophyllum roseopictum</i> J. J. Verm., Schuit. & de Vogel, Phytotaxa 166: 105. 2014.	E	Nov. – Feb.	Darjeeling	Up to 1200m
63		<i>Bulbophyllum rothschildianum</i> (O` Brien) J. J. Sm. Bull. Jard. Bot. Buitenzorg., Ser. 2, 8: 27. 1912.	E	Aug. – Nov.	Darjeeling	up to 1500m
64		<i>Bulbophyllum pteroglossum</i> Schlechter, Repert. Spec. Nov. Regni Veg. Beih. 4: 71. 1919.	E	Nov. – Feb.	Darjeeling	1050 m.
65		<i>Bulbophyllum reptans</i> (Lindl.) Lindl. ex Wall., Numer. List 1988. 1829.	E	Oct. – May	Duars (BTR), Darjeeling	1200- 2500 m
66		<i>Bulbophyllum retusiusculum</i> Reichenbach f. in Gard. Chron. 1182. 1869.	E	Aug – Oct.	Darjeeling (Lebong)	2300-3000 m
67		<i>Bulbophyllum rolfei</i> (Kuntze) Seidenfaden in Dansk Bot. Ark. 33 (3) : 149. 1979.	E	Jun – Aug.	Darjeeling	1900 – 2800 m
68		<i>Bulbophyllum roxbergii</i> (Lindl.) Reichb f., in Walp. Ann. Bot. Syst. 6 : 263, 1861	E	May – Aug.	Darjeeling	300 – 700 m

Table 1 contd....

Table 1 contd....

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
		69	<i>Bulbophyllum sarcophylloides</i> Garay, Hamer & Siegerist in Nordic Jour. Bot. 14(6): 620. 1994.	E	Sept. – Nov.	Duars (BTR), Darjeeling.	2000 – 2500 m
		70	<i>Bulbophyllum sarcophyllum</i> (King. & Pantl.) J. Smith in Bull. lord. Bot. Buitenz. 28: 27. 1912.	E	May – Sept.	Darjeeling	350-1700 m
		71	<i>Bulbophyllum scabratum</i> Reichb. f. in Walp. Ann. 6: 259. 1861.	E	Mar. – Dec.	Darjeeling	1000-2000 m
		72	<i>Bulbophyllum spathulatum</i> (Rolfé ex E. W. Cooper) Seidenfäden in Bot. Tidsskr. 65: 347. 1970.	E	May- July	Darjeeling	500-1200 m
		73	<i>Bulbophyllum stenobulbon</i> Parish & Reichb f. in Trans. Linn. Soc. London 30: 153. 1874.	E	May – July	Guling forest (Darjeeling)	250 – 700 m
		74	<i>Bulbophyllum striatum</i> (Griff.) Reichb. f. in Walp., Ann. 6: 257. 1861	E	Mar. – Dec.	Duars (BTR), Darjeeling	1500 - 2330 m
		75	<i>Bulbophyllum sunipa</i> J. J. Verm., Schuit. & de Vogel, Phytotaxa 197: 59. 2015	E	Apr. – Jun.	Darjeeling	1000 – 1900 m
		76	<i>Bulbophyllum thomsonii</i> Hook. f. in Hook. f. Fl. Brit. India 5: 764. 1890	E	Jun – Oct.	Algarah, Kalimpong	800–2100 m
		77	<i>Bulbophyllum tortuosum</i> (Bl.) Lindl., Gen. Sp. Orchid Pl.: 50. 1830;	E	Jun. – Oct.	Kalijhora, Darjeeling.	200 – 450 m
		78	<i>Bulbophyllum triste</i> Reichb. f. in Walp. Ann. 6: 253. 1861	E	Jun. – Jan.	Mirik (Darjeeling)	450 - 2100 m
		79	<i>Bulbophyllum umbellatum</i> Lindl., Gen. Sp. Orchid. Pl.: 56 1830	E	Mar – Jul.	Duars (BTR), Dali-Darjeeling	1000–2100 m
		80	<i>Bulbophyllum viridiflorum</i> (Hook.f.) Schltr. in Orchids 4: 108. 1910	E	June – Nov.	Darjeeling	1600 - 2590 m
		81	<i>Bulbophyllum wallchii</i> Reichb. f. in Walp. Ann, 6: 259. 1861	E	Sept. – Dec.	Neora Valley, Darjeeling	1500–2900m
		82	<i>Bulbophyllum xylophyllum</i> C. S. P. Parish & Rechib. f., Trans. Linn. Soc. Bot. London 30: 151. 1874.	E	Sept. – Oct.	Darjeeling (Unspecified locality)	Not Recorded
		83	<i>Bulbophyllum yoksunense</i> J.J. Smith in Bull. Jard. Bot. Buitenzorg ser. 2(8):29. 1912	E	Sept. – Nov.	Darjeeling	2000- 2500 m
19	Calanthe R. Brown	84	<i>Calanthe atismaefolia</i> Lindl., Fol. Orchid. 8. 1854;	Tr	May – Aug.	Darjeeling	900 – 1500m
		85	<i>Calanthe biloba</i> Lindl., Fol. Orchid. 3. 1854	Tr	Sept. – Dec.	Darjeeling	1000 – 2800m
		86	<i>Calanthe brevicornu</i> Lindl., Gen. Sp. Orchid. Pl. 125. 1833	Tr	May – Aug.	Darjeeling (Senchal)	1900 – 2600m
		87	<i>Calanthe chloroleuca</i> Lindl., Fol. Orchid 10. 1854	Tr	Apr. Jun.	Darjeeling	1600 – 2900m

Table 1 contd....

Table 1 contd....

Sl. No.	Genus	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
88		<i>Calanthe clavata</i> Lindl., Gen. Sp. Orchid Pl. 251. 1833	Tr	Apr. – Oct.	Darjeeling	900–1600m
89		<i>Calanthe densiflora</i> Lindl, Gen. Sp. Orchid. 1833	Tr	Oct. – Nov.	Darjeeling	160–1800m
90		<i>Calanthe griffithii</i> Lindl., in Paxton, Fl. Gard. 3: 37. 1852-53	Tr	Apr. – Jul.	Darjeeling	2000-3000m
91		<i>Calanthe herbacea</i> Lindl., Fol. Orchid. 10. 1854	Tr	Apr. – Jun.	Duars (BTR), Darjeeling	1300 - 5000 m
92		<i>Calanthe masuca</i> (D. Don) Lindl. Gen. Sp. Orchid. Pl. 249. 1833	Tr	Aug. – Oct.	Duars [BTR (Adma, 850m)], Darjeeling	650–1200m
93		<i>Calanthe odora</i> Griff., Not. Pl. Asiat. 3 : 365. 1851	Tr	Apr. – Jun.	Darjeeling	260 - 2000 m
94		<i>Calanthe plantaginea</i> Lindl., Gen. Sp. Orchid. Pl. 250. 1833	Tr	Feb. – Apri.	Darjeeling	2000 m
95		<i>Calanthe puberula</i> Lindl., Gen. Sp. Orchid. Pl. 252. 1833.	Tr	Jun – Aug.	Maneybhanyan; Darjeeling	1200-3000 m
96		<i>Calanthe sylvatica</i> (Thouars) Lindl., Gen. Sp. Orchid. Pl. : 250. 1833	Tr	Aug. – Oct.	Darjeeling	300 – 2000m
97		<i>Calanthe tricarinata</i> Lindl., Gen. Sp. Orchid. Pl. 252. 1833	Tr	May – Jul.	Gorkhey-Samanden; Darjeeling	2000- 3000 m
98		<i>Calanthe triplicata</i> (Willemet) Ames in Philipp. Jour. Sci. 2 : 326. 1907	Tr	Apr. – Oct.	Darjeeling	660 - 1600 m
99		<i>Calanthe trulliformis</i> King & Pantl. in Jour. Asiat. Soc. Beng. 64 (3): 337. 1896	Tr	Apr. – Sept.	Sonada; Darjeeling	1500-2200 m
100	Callostylis Bl.	<i>Callostylis rigida</i> Bl., Bijdr.: 341, t. 74. 1825.	E	Mar. – Aug.	Tista river valley.	upto 1000 m
21	Cephalanthera Rich.	<i>Cephalanthera longifolia</i> (Linn.) Fritsch, Oesterr. Bot. Z. 38 : 81. 1888	E	Apr. – Oct.	Darjeeling	1000 - 4000 m
22	Ceratostylis Bl.	<i>Ceratostylis himalaica</i> Hook. f. in Hook. f., Fl. Brit. India 5 : 826. 1890	E	Apr. – Jul.	Kurseong, Sonada, Darjeeling	900 – 1900m
103		<i>Ceratostylis subulata</i> Bl., Bijdr. 306. 1825	E	Ma – Nov.	Duars (BTR – Tobagaon, Majitar, Garjeeling.	850m
23	Cheirostylis Bl.	<i>Cheirostylis griffithii</i> Lindl., J. Proc. Linn. Soc., Bot. 1: 188. 1857	Tr	Nov. – Jan.	Kalimpong, Mungpoo, Darjeeling	1000-1400 m
105		<i>Cheirostylis yunnanensis</i> Rolfe, Bull. Misc. Inform. Kew 1896: 201. 1896	Tr	Feb. - May	Kalimpong, Darjeeling (Mangaldara).	600 – 1000 m
24	Chiloschista Lindl.	<i>Chiloschista lucifera</i> (Rechib. f.) J. J. Sm. In Orchid Java 553. 1905	E	Apr – May	BTR (Bhutan Ghat, 250m), Darjeeling	250–950m
107		<i>Chiloschista parishii</i> Seidenfaden in Opera Bot. 95: 176, t. 109. 1988	E	Mar. - May	Tista valley,	upto 500 m
108		<i>Chiloschista usneoides</i> (D. Don) Lindl. in Bot. Reg. 18: sub t. 1522. 1832	E	Apr. – Jun.	Singtam area	around 1700 m

Table 1 contd....

TableI contid....

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Avilability	Altitudinal Range (m)
25	Chrysoglossum Bl.	109	<i>Chrysoglossum ornatum</i> Bl., Bijdr. 338. 1825	Tr	May- Aug.	Darjeeling	300-2700 m
26	Cleisocentron Bruhl	110	<i>Cleisocentron pallens</i> (Cathcart ex Lindl.) Pearce & Cribb in Edinb. Jour. Bot. 58 (1) : 118, 2001	E	Jul. - Aug.	Mangmaya, Darjeeling	300-700 m
27	Cleisostoma Bl.	111	<i>Cleisostoma aspersum</i> (Reichb. f.) Garay in Bot. Leafl. 23 (4) : 169. 1972	E	Apr. - Aug.	Darjeeling (Samsing Area)	300-1900 m
		112	<i>Cleisostoma appendiculatum</i> (Lindl.) Benth. & Hook. f. ex B. D. Jack, Index Kew. 1: 555. 1893	E	Mar. - June	Sundarban, Duars North Bengal	Up to 900m
		113	<i>Cleisostoma fliforme</i> (Lindl.) Garay in Bot. Mus. Leafl. 23 (4) : 171, 1972	E	Apr. - jun.	Duars (BTR), Mungpoo, Chisang-Godok,	200-1600 m.
		114	<i>Cleisostoma racemiferum</i> (Lindl.) Garay in Bot. Mus. Leafl. 23 (4) : 173. 1972	E	Oct.	Duars (BTR), Mungpoo,	800-2200 m.
		115	<i>Cleisostoma striatum</i> (Reichb. f.) N.E. Brown in G.W. Johnson, Suppl. Gard. Diet. 901. 1882	E	Apr. Aug.	Darjeeling	1000-1660 m
		116	<i>Cleisostoma subulatum</i> Bl., Bijdr. 363. 1825.	E	Jun. - Oct.	Kalimpong,	250-900 m
28	Coelogyne Lindl.	117	<i>Coelogyne barbata</i> Lindl. ex Griffith, Itin. Pl. Khasyah Mts. 72. 1848	E	Apr. - Jun.	Kurseong, Kalimpong, Darjeeling	1500-2200m
		118	<i>Coelogyne corymbosa</i> Lindl., Fol. Orchid. Coelogyne 5:7, no.16. 1854	E	Mar. - Jun.	Darjeeling	1300-2800 m
		119	<i>Coelogyne cristata</i> Lindl., CoiL Bot.: sub. t. 33. 1821; Fl. Brit. Ind. 5: 829. 1890	E	Mar. - Jun.	Duars (BTR),	800-2000 m
		120	<i>Coelogyne fimbriata</i> Lindl. in Bot. Reg. 11 : t.868. 1825.	E	Jun. - Nov.	Darjeeling	500-2500m
		121	<i>Coelogyne flaccida</i> Lindl., Gen. Sp. Orchid. 39. 1830	E	Feb. - May	Darjeling	300-2300 m
		122	<i>Coelogyne fuscescens</i> Lindl., Gen. Sp. Orchid. Pl. 41. 1830	E	Jun. - Oct.	Mirik, Labha	1000-2000 m.
		123	<i>Coelogyne longipes</i> Lindl., Fol. Orchid. 5: 10. 1854	E	Jun. - Aug.	Darjeeling	1000-2000 m
		124	<i>Coelogyne nitida</i> (Wall. ex D. Don) Lindl., Gen. Sp. Orchid. Pl. 40. 1830.	E	Feb. - May	Kurseong, Darjeeling	1400-2000m.
		125	<i>Coelogyne occultata</i> Hook. f. in Hook. f., Fl. Brit. India 5 : 832. 1890	E	Mar. - Jul.	Darjeeling	1800-3800 m
		126	<i>Coelogyne ovalis</i> Lindl. in 24: misc. 91. 1838; Fl. Brit. Ind. 5: 836. 1890	E	Apr. - Jul.	Kurseong, Darjeeling	700-1700 m
		127	<i>Coelogyne pantlingii</i> Luckson, Orchid Review, vol. 113 no 1262. 108-109. 2005	E	Mar. - Jul	Senchale, Darjeeling	2000-2600 m

TableI contid....

TableI contid....

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
		128	<i>Coelogyne pempahisheyana</i> H.J. Chowdhery, Ind. J. of Forestry, vol. 27(1): 121-124, 2004	E	Mar. - Jun.	Kalimpong,	900-950 m
		129	<i>Coelogyne prolifera</i> Lindl., Gen. Sp. Orchid. Pl.: 40. 1830	E	Mar. - Aug	Duars (BTR, Adma), Kalimpong town (near forest museum);	600 - 1900 m.
		130	<i>Coelogyne punctulata</i> Lindl., Coil. Bot.: sub t. 33. 1824	E	Mar. Jun	Darjeeling;	500-2200m
		131	<i>Coelogyne raizadade</i> S.K. Jain & S. Das, Proc. Indian Acad. Sci., B. 87(5): 119. 1978	E	Apr. - Aug.	Lava, Kalimpong	1800-2400 m.
		132	<i>Coelogyne stricta</i> (D. Don) Schlechter, Feddes Rept. Spec. Nov. Regni. Veg. Beih. 4: 184. 1919	E	Apr. - Jun	Senchal area;	1800-2300 m
		133	<i>Coelogyne viscosa</i> Reichb. f., Berg. Alig. Gartenz. 24: 218. 1856 et Gard. Chron. 1085. 1870;	E	Feb. - Jun	Mirik,	500-1800 m
29	Conchidium Griffith	134	<i>Conchidium muscicola</i> (Lindl.) Rauschert, Feddes Repert. 94: 444. 1983.	E	Jul - Sept.	Gairibans;	1700- 2500 m
30	Corymborkis Thouars	135	<i>Corymborkis veratrifolia</i> (Reinwardt) Bl., Coil. Orchid.: 125. t. 42e. 43i. 1859	E	Jul. - Aug.	Tista river valley,	upto 500 m
31	Cremastra Lindl.	136	<i>Cremastra appendiculata</i> (D. Don) Makino in Bot. Mag. Tokyo 18: 24. 1904	E	Apr. - Jun	Tiger Hill,	1800-2500 m
32	Crepidium Bl.	137	<i>Crepidium acuminatum</i> (D. Don) Szlachetko, Fragm. Florist. Geobot. Suppl. 3: 123. 1995.	Tr	Jun. - Sept.	Darjeelig	1400-2500 m.
		138	<i>Crepidium calophyllum</i> (Reichenbach f.) Szlachetko, Fragm. Florist. Geobot., Suppl. 3: 125. 1995.	Tr	Jul. - Sept.	Darjeelig	500-1500 m.
		139	<i>Crepidium josephianum</i> (Reich. enbach f) Margonska, Ann. Bot. Fenn. 39: 65. 2002.	Tr	Jun - Aug.	Kurseong,	500-1500 m
		140	<i>Crepidium khasianum</i> (Hook. f) Szlachetko, Fragm. Florist. Geobot., Suppl. 3: 127. 1995.	Tr	Jun - Sept.	Kainjalay;	500-1500 m.
		141	<i>Crepidium mackinnoni</i> (Duthi) Schaltz. Fragm. Florist. Geobot., Suppl. 3: 128. 1995.	Tr	Aug. - Nov.	Purulia	500-750m
		142	<i>Crepidium maximowiczianum</i> (King & Pantl.) Szlach., Fragm. Florist. Geobot. Suppl. 3: 129. 1995.	Tr	Jun - Sept.	Mungpoo,	600-1100 m.
		143	<i>Crepidium purpureum</i> (Lindl.) Schlechter, Fragm. Florist. Geobot. Suppl. 3: 131. 1995.	Tr	Jun - Aug.	Darjeelig (Himafalls);	500-1500 m.
33	Cryptochilus Wall.	144	<i>Cryptochilus lutea</i> Lindl. in Jour. Linn. Soc., Bot. 3: 21. 1858;	E	May - Oct.	Darjeeling (Kafer),	1100-2900 m.
		145	<i>Cryptochilus sanguinea</i> Wall., Tent. Fl. Nepal 2: 36. t. 26. 1826;	E	May - Aug.	Darjeeling (Senchale,)	1600-2600 m

TableI contid....

Table 1 contd....

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
34	Cymbidium Swartz.	146	<i>Cymbidium aloifolium</i> (Linn.) Swartz in Nova Acta Regiae Soc. Sci. Upsal 6: 73. 1799.	E	Apr. – Mar. (next Year)	Terai, foothills, Duars (BTR), lower hills, and hot river valleys;	upto 700 m.
		147	<i>Cymbidium bicolor</i> Lindl., Gen. Sp. Orchid. Pl. 164. 1833.	E	Mar. – Jan.	Tista river valley	Up to 1000m
		148	<i>Cymbidium cochleare</i> Lindl. in Jour. Proc. Linn. Soc., Bot. 3: 28. 1859	E	Nov. – Feb.	Duars (BTR, Adma), Darjeeling (Senchale,)	1500-2700 m
		149	<i>Cymbidium cyperifolium</i> Lindl., Gen. & Sp. Orchid. Pl. 163. 1833.	E	May – Nov.	October - January	700 - 3000 m
		150	<i>Cymbidium dayanum</i> Reichb. f. in Gard. Chron. 710. 1869;	E	Oct. – Jan.	Darjeeling	700 - 3000 m
		151	<i>Cymbidium devonianum</i> Lindl. ex Paxton in Paxton's Mag. Bot. 10: 97. 1843	E	May – Sept.	Duars (BTR – Pana, Tobagaon), Darjeeling;	900-2200 m
		152	<i>Cymbidium eburneum</i> Lindl. in Bot. Reg. 10. 23. t. 67. 1847	E	Mar. – May	Duars, BTR (Adma), Darjeeling	600 – 1200m
		153	<i>Cymbidium elegans</i> Lindl., Gen. Sp. Orchid. Pl. 163. 1833	E	Oct. – May	Lava; Kalimpong.	1200-2500 m.
		154	<i>Cymbidium erythraceum</i> Lindl. in Jour. Proc. Linn. Soc., Bot. 3: 30. 1859	E	Aug. – Nov.	Darjeeling (Senchale,)	1400-2800 m
		155	<i>Cymbidium x gammieanum</i> King & Pantling, J. Asiat. Soc. Bengal 64(3): 339. 1896	E	May – Oct.	Darjeeling	900-2000 m
		156	<i>Cymbidium hookerianum</i> Reichenb. f. in Gard. Chron. 7. 1866	E	Feb. - May	Darjeeling;	2000-2800 m.
		157	<i>Cymbidium iridoides</i> D. Don. Prodr. Fl. Nepal. 36. 1825	E	Oct. – Nov.	Darjeeling;	1100-2300 m
		158	<i>Cymbidium lancifolium</i> Hook., Exot. Fl. I. t. 81. 1823.	E	May - July	Terai, Darjeeling	300 - 2300
		159	<i>Cymbidium longifolium</i> D. Don, Prodr. Fl. Nepal. 36. 1825	E	Sep. – Dec.	Darjeeling;	1000 - 4050 m
		160	<i>Cymbidium lowianum</i> (Reichenbach. f.) Reichenbach. f. Gard. Chron. 11: 332. 1879	E	Apr. – May (Next Year)	Darjeeling (Sandakphu)	600-2300 m
		161	<i>Cymbidium macrorhizon</i> Lindl., Gen. Sp. Orchid. Pl.: 162. 1833.	E	Ma – Aug.	Kalimpong, Darjeeling;	600 – 1200m
		162	<i>Cymbidium mastersii</i> Griff, ex. Lindl. in Bot. Reg. 31. t. 50. 1845	E	Oct. – Dec.	Darjeeling;	900 - 2200 m
		163	<i>Cymbidium munronianum</i> King & Pantl. in Jour. Asiat. Soc. Bengal 64 (3) : 338. 1896	E	Dec – May.	Darjeeling; Kurseong (?)	450 - 1700 m
		164	<i>Cymbidium tracyanum</i> L. Castle, Jour. Hort. Cottage Gard., ser. 3. 21:513. 1890.	E	Apr. – May (Next Year)	Darjeeling (Rangeet).	600-2300m

Table 1 contd....

Table 1 contd....

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
35	Dendrobium Swartz	165	<i>Dendrobium aduncum</i> Lindl. in Edwards's Bot. Reg. 28(Misc.): 58. 1842;	E	May – Aug.	Darjeeling (27 th Mile Area).	400-700 m
		166	<i>Dendrobium amoenum</i> Wall. ex Lindl., Gen. Sp. Orchid. Pl. 78. 1830	E	May – Nov.	Common in all parts of the state.	600-1500 m
		167	<i>Dendrobium amplum</i> Lindl., Gen. Sp. Orchid. Pl. 74. 1830	E	Oct. – Dec.	Kurseong;	around 1600-1700 m
		168	<i>Dendrobium anceps</i> Swartz in Kongl. Vetensk. A cad. Nya. Handl. 21: 246. 1800	E	Apr. -Jul.	Tista river valley, Sukna; upto, West Dinajpur, Sundarbans.	700 m.
		169	<i>Dendrobium aphyllum</i> (Roxb.) C.E.C. Fischer in Gamble, Fl. Madras 3: 1416. 1928	E	Mar. – Aug.	Terai to Middle hills; Koch behar, Duars (BTR)	upto 1600 m
		170	<i>Dendrobium bicameratum</i> Lindl. Bot. Reg. Misc. 59. 1839;	E	Jul. – Sept.	Purulia, Darjeeling (Rambi Forest)	500 – 2100 m.
		171	<i>Dendrobium candidum</i> Wall. ex. Lindl. in Bot. Reg. 24 : Misc. 36. No. 54. 1838	E	Feb. – Oct.	Kalimp[ong, Darjeeling	1000 - 2700 m
		172	<i>Dendrobium moniliforme</i> (Linn.) Swartz, NovaActa. Regiae Soc. Sci. Upsal., ser. 2. 6: 85. 1799.	E	Mar. - May	Darjeeling (Dhotari)	1800-2800 m
		173	<i>Dendrobium cathcartii</i> Hook. f. in Hook. f., Fl. Brit. India 5 : 727. 1890	E	Apr. – Sept.	Darjeeling (Jaldhaka, Sepkhola, Jholung, Tindharey)	150 – 800 m
		174	<i>Dendrobium chrysanthum</i> Wall. ex Lindl. in Bot. Reg. 15: t. 1299. 1830;	E	May – Jan.	Darjeeling (Rimbik, Samalbong)	1000- 2000 m
		175	<i>Dendrobium chryseum</i> Rolfe in Gard. Chron. Ser. 3. 3 : 233. 1888	E	May – Jun.	Kalimpong (Lava, Baggonra)	800 – 2200 m
		176	<i>Dendrobium chrysotoxum</i> Lindl. in Bot. Reg. 33: sub. t. 19. t. 36. 1874	E	Apr. – Aug.	Forests of Kalimpong,;	upto 1000 m
		177	<i>Dendrobium crepidatum</i> Lindl. & Paxton in Paxton's Fl. Gard. 1: 63. 1850	E	Mar. – Aug.	Tista river valley; North Bengal Plains	upto 500 m.
		178	<i>Dendrobium cumulatum</i> Lindl, in Gard. Chron. 1855 ; 756. 1855	E	Jun – Jul.	Cultivated(Kaneybreed Floral Nursery – Kalimpong)	850-950 m
		179	<i>Dendrobium darjeelingense</i> Pradhan, Indian Orch.: Guide Identif. & Cult. 2: 336. 1979	E	Oct.	Darjeeling	
		180	<i>Dendrobium densiflorum</i> Lindl., Gen. Sp. Orchid. Pl. 90. 1830;	E	Sept. – Oct.	Duars (BTR), forests;	500-1500 m
		181	<i>Dendrobium denudans</i> D. Don, Prodr. Fl. Nepal. 34. 1825.	E	Apr. – Aug.	Durpin-Kalimpong, Solok-Kalimpong;	600 – 1800 m.
		182	<i>Dendrobium devonianum</i> Paxt., Paxt.'s Mag. Bot. 7: 169 + fig. 1840	E	Apr. – Jul.	Cultivated, Kaneybreed Floral Nursery – Kalimpong, Duars (BTR)	850-950 m

Table 1 contd....

Table 1 contd....

Sl. No.	Genus	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
183		<i>Dendrobium eritiformum</i> Griff., Not. Pl. Asiat. 3: 316. 1851; Icon. Pl. Asiat. 3: 307. 1851	E	Mar. – Dec.	Darjeeling	800–2000 m.
184		<i>Dendrobium falconeri</i> Hook. in Bot. Mag. 82: t.4944. 1856;	E	Mar. – Aug	Kalimpong, Darjeeling, Kurseong.	1700–2300 m.
185		<i>Dendrobium farmeri</i> Paxton in Paxton, Mag. Bot. 15 : 241. 1849;	E	Apr. – May	Duars (BTR), Darjeeling (Birik, Kumsi)	200 – 1000 m.
186		<i>Dendrobium fimbriatum</i> Hook., Exot. Fl. 1: t. 71. 1823	E	Mar. – Aug.	Common in Terai to upper hills; Duars (BTR)	upto 2300 m.
187		<i>Dendrobium formosum</i> Roxb. ex Lindl. in Wall., Pl. Asiat. Rar. 1: t. 29. 1830	E	Apr. – Aug.	Tista river valley; Duars (BTR)	upto 500m.
188		<i>Dendrobium fugax</i> Reichenbach f. in Gard. Chron. 1871: 1257. 1871.	E	Apr. – Jun.	Tista river valley;	up to 1000 m.
189		<i>Dendrobium gibsonii</i> Lindl. in Paxton, Mag. Bot. 5 : 169. 1838;	E	May – Aug.	Darjeeling	700-1700m
190		<i>Dendrobium heterocarpum</i> Lindl., Gen. Sp. Orchid. Pl. 78. 1830;	E	Mar. – Aug.	Darjeeling (Sumbuk,)	700-1500m
191		<i>Dendrobium hookerianum</i> Lindl. in Jour. Proc. Linn. Soc., Bot. 3: 8. 1859;	E	Jul. - Aug.	Darjeeling (Takdah)	700 1500 m
192		<i>Dendrobium jenkinsii</i> Wall. ex Lindl. in Bot. Reg. 25: t. 37. 1839;	E	Mar. - May	Tista river valley;	up to 1800 m.
193		<i>Dendrobium lasiopetalum</i> (Willd.) S. C. Chem & J. J. Wood, Fl. China 25: 351. 2009.	E	Apr. – May	Duars, (BTR, Bhutan Ghat),	Up to 900m
194		<i>Dendrobium Lindleyi</i> Steud., Nomencl. Bot. ed.2: 490. 1840	E	May – Feb.	Cultivated, (Kaneybreed Floral Nursery) - Kalimpong	850–950 m.
195		<i>Dendrobium longicornu</i> Lindl., Gen. Sp. Orchid. Pl. 80. 1830;	E	Mar. – Aug.	Senchal forest, Kurseong;	1500 -2500 m.
196		<i>Dendrobium macraei</i> Lindl. Gen. Sp. Orchid. Pl. 75. 1830.	E	May – Aug.	Darjeeling (Probably in Kurseong)	Up to 900m
197		<i>Dendrobium macrostachyum</i> Lindl. Gen. Sp. Orchid. Pl. 78. 1830.	E	Mar. – Sept.	Darjeeling	800-1700m
198		<i>Dendrobium moschatum</i> (Buch. – Ham.) Swartz in Schrader. Neu. Jour. Bot. 1: 94. 1806;	E	Jun. – Aug.	Common from Terai to lower hills forests, Duars (BTR);	up to 1100 m.
199		<i>Dendrobium nobile</i> Lindl., Gen. Sp. Orchid. Pl. 79. 1830; Fl. Brit. Ind. 5: 740. 1890;	E	Apr. – Jun.	Kurseong, Duars (BTR);	600- 1800 m
200		<i>Dendrobium ochreatum</i> Lindl., Edwards's Bot. Reg. 21: t. 1756. 1835;	E	May – Aug.	Cultivated, (Kaneybreed Floral Nursery - Kalimpong,)	900–950 m.
201		<i>Dendrobium parishii</i> Reichenbach f., Bot. Zeitung (Berlin) 21: 236. 1863;	E	Mar. - May	Mahananda Wildlife Sanctuary,.	Up to 500 m

Table 1 contd....

Table 1 contd....

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
		202	<i>Dendrobium peguanum</i> Lindl. in Jour. Linn. Soc., Bot. 3:19. 1859;	E	Oct. – Jan.	Cultivated (Kaneybreed Floral Nursery - Kalimpong,)	850–950 m.
		203	<i>Dendrobium porphyrochillum</i> Lindl. in Jour. Proc. Linn. Soc., Bot. 3: 18. 1858	E	Mar. – May	Darjeeling (Samalbong);	1100-2200 m.
		204	<i>Dendrobium praecinctum</i> Rchb. f., Gard. Chron. n.s. 7: 750. 1877.	E	Jun. – Aug.	Tangta,	1000 – 1900 m
		205	<i>Dendrobium primulinum</i> Lindl. in Gard. Chron. 18: 400. 1858.	E	Mar. - Apr.	Cultivated (Kaneybreed Floral Nursery – Kalimpong); Wild in Duars (BTR),	850–950 m.
		206	<i>Dendrobium pulchellum</i> Roxb. ex Lindl. Gen. Sp. Orchid Pl. 82. 1830.	E	May – Jul.	Duars, BTR (Tobagaon.),	1000 – 1200m
		207	<i>Dendrobium rotundatum</i> (Lindl.) Hook. f. Fl. Brit. Ind. 5: 712. 1890.	E	Apr. – May	Darjeeling (Lyod Botanic Garden),	1700 - 2500 m.
		208	<i>Dendrobium ruckeri</i> Lindl. in Bot. Reg. 29 : t. 60. misc. 25. no. 38. 1843.	E	Apr. – May	Darjeeling (Samalbong);	1200- 1700 m
		209	<i>Dendrobium salasense</i> (Bl.) Lindl. Gen. Sp. Orchid. Pl. 86. 1830.	E	Apr. – May	Darjeeling	850–950 m.
		210	<i>Dendrobium stuposum</i> Lindl. in Bot. Reg. 24 : misc. 52 no. 94. 1838.	E	Jun – Jul.	Duars (BTR); Darjeeling (Dabaipani, Rambi forest)	1400 – 2300 m.
		211	<i>Dendrobium sulcatum</i> Lindl. in Bot. Reg. 24 : t. 65. 1838	E	Apr. – Jul.	Kalimpong, Darjeeling (Rangit Valley)	550–1000 m.
		212	<i>Dendrobium terminale</i> Parish & Reichenb. f., in Trans. Linn. Soc. London 30: 149. 1874.	E	Aug. – Oct.	Duars (BTR); Tista river valley,;	upto 700 m
		213	<i>Dendrobium transparens</i> Wall. ex Lindl., Gen. Sp. Orchid. Pl. 79. 1830; Fl. Brit. Ind. 5:738. 1890.	E	Apr. – May	Purulia(Ajodhya hills), Duars (BTR), Darjeeling (Kalijhora).	up to 1000 m
36	Didymoplexis Griffith	214	<i>Didymoplexis pallens</i> Griff. in Calcutta Jour. Nat. Hist. 4: 383, t. 17. 1844.	Tr	Sept. – Oct.	N. Bengal & C. Bengal Plains, Howrah, around	around 1200 m.
37	Dienia Lindl.	215	<i>Dienia ophrydis</i> (J. Koenig) Seidenfaden, Contr. Orchid Fl. Thailand 13: 18. 1997.	E	Jul. - Sept.	Mahananda Wildlife Sanctuary,	upto 700 m
38	Diphylax Hook. f.	216	<i>Diphylax urceolata</i> (C. B. Clarke). Hook. f., Icon. Pl. 19. (n.s. 9) ; t. 1865.	E	Jul. – Sept.	Darjeeling,	1900 - 4300 m
39	Diplomeris D. Don	217	<i>Diplomeris hirsuta</i> (Lindl.) Lindl., Gen. Sp. Orchid. Pl. 330. 1835.	E	Sept. – Nov.	Duars (BTR); Darjeeling (Kalijhora)	upto 800 m.
40	Epigeneium Gagnep	218	<i>Epigeneium amplum</i> (Lindl.) Summerh., Kew Bull. 12: 260. 1957.	E	Oct. – Jan.	Duars (BTR), Kalimpong (Algarah), Darjeeling (Lloyd Botanical Garden)	1400 – 2200 m

Table 1 contd....

Table 1 contd....

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
41	Eria Lindl.	219	<i>Epigeneium rotundatum</i> (Lindl.) Summerh., Kew Bull. 12: 264. 1957.	E	Sept. – Dec.	Darjeeling (Senchale)	1500–2600 m.
		220	<i>Eria acervata</i> Lindl. in Jour. Hort. Soc. 6: 57. 1851.	E	Apr. – Sept.	Duars (BTR), N. Bengal, Darjeeling	330–3000 m
		221	<i>Eria alba</i> Lindl. Gen. Sp. Orchid. PL 67. 1830.	E	Apr. – Jul.	Darjeeling,	1000–2330 m
		222	<i>Eria arnica</i> Reichb. f., Gen. Orchid. 2: 162. t. 168./6-9 1870.	E	Mar. – May.	Darjeeling	500–2000 m
		223	<i>Eria bambusifolia</i> Lindl. in Jour. Linn. Soc. 3: 61. 1859.	E	Oct. – Dec.	Darjeeling	1500-3000 m
		224	<i>Eria biflora</i> Griff., Not. Pl. Asiat. 3: 302. 1851.	E	Sept. – Dec.	Duars (BTR), Kalimpong	400–900 m.
		225	<i>Eria bractescens</i> Lindl., Bot. Reg. 27: misc. 18, no. 46. 1841.	E	Apr. – Jul.	Darjeeling (Mungpoo, Dow hill, Nimbong).	300–1700 m.
		226	<i>Eria carinata</i> Gibs, in Calcutta Jour. Nat. Hist. 5: 365. 1845.	E	Nov. – Jan.	Duars (BTR), North Bengal, Darjeeling	200- 1430
		227	<i>Eria clausa</i> King & Pantl. in Jour. Asiat. Soc. Beng. 65(2): 121. 1896.	E	Feb. – Apr.	Darjeeling	1000-2000 m
		228	<i>Eria coronaria</i> (Lindl.) Reichenbach. f. in Walpers, Ann. Bot. Syst. 6: 271. 1864.	E	Aug. – Nov.	Darjeeling. (Lepcha jagat), Duars (BTR)	1200-2300 m
		229	<i>Eria discolor</i> Lindl. in Jour. Proc. Linn. Soc., Bot. 3: 51. 1859.	E	Feb. – Jun.	Darjeeling	150–1200 m
		230	<i>Eria excavata</i> Lindl., Gen. Sp. Orchid. Pl. 67. 1830.	E	May – Feb.	Darjeeling	1000–3000 m
		231	<i>Eria graminifolia</i> Lindl. in Jour. Proc. Linn. Soc. 3: 54. 1859.	E	Jun. – Aug.	Darjeeling	1700–3300 m
		232	<i>Eria lasiopetala</i> (Willd.) Ormerod in Opera Botanica 124: 22. 1995	E	Feb. – Aug.	Terai and lower hills, river valleys	Up to 700 m.
		233	<i>Eria muscicola</i> (Lindl.) Lindl. in Jour. Proc. Linn. Soc. 3: 47. 1859.	E	Jul. – Aug.	Purulia, Darjeeling	1000–3000
		234	<i>Eria paniculata</i> Lindl. in Wall., Pl. Asiat. Rar. 1: 32. t. 36. 1830.	E	Jan. – Jun.	Duars (BTR), Darjeeling	600–2300 m
		235	<i>Eria pannea</i> Lindl. in Bot. Reg. 64. misc. 79. 1842.	E	Apr. – Jul.	Darjeeling	600 – 1000 m.
		236	<i>Eria pumila</i> Lindl., Gen. Sp. Orchid. Pl.: 68. 1830.	E	May – Sept.	Mungpong.	200 – 600 m.
		237	<i>Eria spicata</i> (D. Don) Hand.-Mazz., Symb. Sin. 7: 1352. 1936.	E	Feb. – Jul.	Duars (BTR), Darjeeling	330–2330 m
		238	<i>Eria stricta</i> Lindl. Coll. Bot. 8: t. 41. B. 1825.	E	Nov. – May.	Darjeeling	300–1800 m

Table 1 contd....

Table 1 contd....

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
42	Eriodes Rolfe	239	<i>Eria vittata</i> Lindl. in Jour. Linn. Soc. 3:51. 1859.	E	Jan. – Apr.	Duars (BTR), North Bengal, Darjeeling	800 – 2600 m
43	Erythroides Bl.	240	<i>Eriodes barbata</i> (Lindl.) Rolfe, Orchid Rev. 23:327. 1915.	E	Nov. – Sept.	Tista river valley;	upto 700 m.
44	Esmeralda Reichenbach f.	241	<i>Erythroides hirsuta</i> (Griff.) Ormerod in Seidenfaden. Contr. Orch. Fl. Thail. XIII: 12. 1997.	E	Mar. – Apr.	Darjeeling	800 – 2600 m
		242	<i>Esmeralda cathcartii</i> (Lindl.) Reichenbach. f., Xenia orchid. 2: 39. 1874.	E	Feb. – Dec.	Darjeeling	upto 1500 m.
		243	<i>Esmeralda clarkei</i> Reichb. f., in Gard. Chron. n.s. 26: 552. 1886.	E	Oct. – Dec.	Lava,	700 – 2300 m.
45	Eulophia R. Br. ex Lindl	244	<i>Eulophia bicallosa</i> (D. Don) P. F. Hunt & Summerhayes in Kew Bull. 20: 60 1960.	Tr	Apr.	Terai (Choklong); Duars	200 – 1000 m
		245	<i>Eulophia dabia</i> (D. Don) Hochreutiner in Bull. New York Bot. Gard. 6: 270. 1010.	Tr	Jan. – May.	Terai (unlocalised); Duars (BTR)	200 – 600 m.
		246	<i>Eulophia explanata</i> Lindl., Gen. Sp. Orch. 180. 1833.	Tr	Apr. – May.	Purulia	upto 800 m.
		247	<i>Eulophia muda</i> Lindl. Gen. Sp. Orch. 180. 1833.	Tr	May – Jun.	Ajodhya hills Purulia	upto 800 m
		248	<i>Eulophia spectabilis</i> (Dennstedt) Suresh in Regnum Veg. 119. 300. 1988.	Tr	Apr. – Jul.	Darjeeling	200 – 1000 m
46	Flickingeria A. D. Hawkers	249	<i>Flickingeria fugax</i> (Reichb. f.) Seidenfaden in Dansk Bot. Ark. 34(1): 46. 1980.	E	May – Jul.	Mungpong,	200 – 600 m.
47	Galeola Lour.	250	<i>Galeola falconeri</i> Hook. f., Fl. Brit. Ind. 6: 88. 1890.	M	Jun – Jul.	Rammam	2000 – 2800 m.
		251	<i>Galeola lindliana</i> (Hook. f. & Thomson) Reichb. f. Xenia Orch. 2: 78. 1862.	M	Jul. – Aug.	Neora Valley	2000-2300 m.
48	Gastrochilus D. Don	252	<i>Gastrochilus acutifolius</i> (Lindl.) Kuntze, Revis. Gen. Pl. 2: 661. 1891.	E	Oct. – Jan.	Rambi forest,	1400 – 2400 m
		253	<i>Gastrochilus calceolaris</i> (Buch. – Ham. ex J.E. Smith) D. Don, Prodr. Fl. Nepal 32. 1825.	E	Mar. – Jul.	Duars (BTR);	500- 1200 m.
		254	<i>Gastrochilus corymbosus</i> A.P. Das & Chanda, Jour. Econ. Taxon. Bot. 12: 401. 1988 publ. 1989.	E	Apr. – Jun.	Jalapahar area, Darjeeling;	around 2200 m
		255	<i>Gastrochilus dasypogon</i> (J.E. Smith) Kuntze, Revis. General Pl. 2: 66. 1891.	E	Sept. – Oct.	Duars (BTR); Mahananda Wildlife Sanctuary	upto 1600 m
		256	<i>Gastrochilus distichus</i> (Lindl.) Kuntze, Revis. General Pl. 2: 661. 1891.	E	Feb. – May.	Samanden;	2000-2500 m.
		257	<i>Gastrochilus inconspicuus</i> (Hook. f.) Kuntze, Revis. General Pl. 2: 661. 1891.	E	Jun – Aug.	Duars (BTR); Sevoke,	up to 1100 m.

Table 1 contd....

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Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
		258	<i>Gastrochilus obliquus</i> (Lindl.) Kuntze, Revis. General Pl. 2: 661. 1891.	E	Oct. – Dec.	Tista river valleys, Terai;	upto 700 m.
		259	<i>Gastrochilus pseudodisticus</i> (King & Pantl.) Schltr. in Feddes Repert. Spec. Nov. Regni Veg. 12: 315. 1913.	E	Aug. – Oct.	Darjeeling (Senchal)	2100 – 2560m
		260	<i>Gastrochilus sonamii</i> Lucksom, Orchid Review, Vol. 111, 1253. 278 – 280. 2003.	E	Nov. – Jan.	Manaybhajang,	1800 – 2600m
49	Geodorum Jackson	261	<i>Geodorum densiflorum</i> (Lamarck) Schlechter in Feddes Repert. Spec. Nov. Regni. Veg. 4: 259. 1919.	Tr	Apr. – May.	Mahananda Wildlife Sanctuary; Purulia Kochbehar, Dinajpur.	upto 600 m
		262	<i>Geodorum densiflorum</i> (Lamk.) Schltr. var. <i>kalimpongense</i> Rajendra Yonzone, D. Lama, R. B. Bhujel and Samuel Rai, McAllen Int. Orch. Soc. J. 13(6) 5 – 10. 2012.	Tr	Jun – Sept.	Dello Hill,	750 – 1300 m.
50	Goodyera R. Brown	263	<i>Goodyera biflora</i> (Lindl.) Hook. f., Fl. Brit. India 6: 114. 1890.	Tr	Jul. – Nov.	Darjeeling (Damsang forest)	1900 – 2850 m.
		264	<i>Goodyera foliosa</i> (Lindl.) Benth. ex C.B. Clarke, J. Linn. Soc., Bot. 25: 73. 1889.	Tr	Aug. – Nov.	Lava,	900 – 2600 m.
		265	<i>Goodyera fumata</i> Thw. Enum. Pl. Zeyla. 314. 1861.	Tr	April – June	Darjeeling,	up to 1100 m.
		266	<i>Goodyera hemsleyana</i> King & Pantl. in Jour. Asiat. Soc. Beng. 64 (3): 342. 1896.	Tr	Jul - Nov.	Rambhi Forest;	2000-2500m.
		267	<i>Goodyera hispida</i> Lindl., Linn. Soc., Bot. 1: 183. 1857.	Tr	Jul. – Oct.	Lava, Kalijhora,	350 – 2300 m.
		268	<i>Goodyera procera</i> (Ker Gawler) Hook., Exot. Fl. 1(3): t. 39. 1823.	Tr	Mar. – Jun.	Mangpu, Kalijhora;	upto 1400 m.
		269	<i>Goodyera schlehtendaliana</i> Rehb. f., Linnaea 22: 861. 1849.	Tr	Aug. – Oct.	Rimbick,	1500-2300m.
		270	<i>Goodyera vittata</i> (Lindl.) Benth. ex Hook. f., Fl. Brit. India 6(1): 113. 1890.	Tr	Jul – Oct.	Dhotrey	1500 – 3000 m.
		271	<i>Goodyera repens</i> Brown Hort, Kew, 5: 198. 1867.	Tr	Apr. - May.	North Bengal, Plains	upto 600 m
51	Gymnadenia R. Brown.	272	<i>Gymnadenia orchidis</i> Lindl., Gen. Sp. Orchid. Pl.: 278. 1835.	Tr	Jul – Oct.	Phalut,	3000 – 4300 m.
52	Habenaria Willdenow	273	<i>Habenaria arietina</i> Hook. f., Fl. Brit. Ind. 6: 138. 1890.	Tr	Jun. – Sept.	Jalapahar, Darjeeling;	1600-2500 m.
		274	<i>Habenaria dentata</i> (Sw.) Schltr., Feddes Repert. Spec. Nov. Regni Veg. Beih. 4: 125. 1919.	Tr	Sept. – Nov.	Darjeeling (Mongpu), Kurseong, Kalimpong, (Samalpong, 15th Mile)	600 – 1600 m.

Table 1 contd....

Table 1 contd....

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
		275	<i>Habenaria digitata</i> Lindl. in Gen. Sp. Orchid. Pl.: 307. 1835.	Tr	May - July	North Bengal, Howrah.	up to 1100 m.
		276	<i>Habenaria diphylla</i> (Nimmo) Dalz. in Hook. Journ., Bot. 26:262. 1890.	Tr	Aug. - Sept.	Calcutta, 24-parganas, North Bengal and in some other places	up to 750 m.
		277	<i>Habenaria furcifera</i> Lindl., Gen. Sp. Orchid. Pl.: 319. 1835.	Tr	Jul. - Aug.	Plains Howrah, Hooghly, North Bengal	600 - 1100 m.
		278	<i>Habenaria pantlingiana</i> Kranzlin, Orchid. Gen. Sp. 1.892. 1901.	Tr	Jul. - Sept.	Duars, North Bengal, Senchal area.	1800-2300 m.
		279	<i>Habenaria longifolia</i> Buch. - Ham. ex Lindl. Gen. Sp. Orchid. Pl. 334. 1835.	Tr	Apr. - Jun	North Bengal	up to 750 m.
		280	<i>Habenaria marginata</i> Coleb. in Hook. Bxot. Fl. t.136. 1825.	Tr	Jul. - Aug.	Nadia, Hooghly, Howrah	up to 1100 m.
		281	<i>Habenaria pectinata</i> (J.E. Sm.) D. Don, Prodr. Fl. Nepal: 24. 1825.	Tr	Jul. - Aug.	Damsang forest,	1500 - 2700 m.
		282	<i>Habenaria stenopetala</i> Lindl., Gen. Sp. Orchid. Pl.: 319. 1835.	Tr	Jul. - Sept.	Manay bhanjang, Dabaipani,	300 - 2300 m.
		283	<i>Habenaria viridiflora</i> (Rottler ex Sw) R. Br. ex Spreng., Syst. Veg. 3: 691. 1826.	Tr	Aug. - Dec.	Lower Bengal Common in Calcutta and in many other places	upto 600 m
53	Herminium R. Brown	284	<i>Herminium jaffreyanum</i> King & Pantl., J. Asiat. Soc. Bengal 65(2): 130. 1896.	Tr	Jul. - Sept.	Jaunbari,	2200 - 3400 m.
		285	<i>Herminium kalimpongense</i> Pradhan, Indian Orch. Guide Identif. Cult. 2: 680. 1970.	Tr	Aug.	Kalimpong, Darjeejing	300 - 2300 m.
		286	<i>Herminium lanceum</i> (Thunberg ex Swartz) Vujlkin, Blumea 11(1): 228. 1961.	Tr	Jul. - Aug.	Senchal Wildlife Sanctuary, North Bengal plains.	800-2500 m
		287	<i>Herminium mackinnonii</i> Duthie, J. Asiat. Soc. Bengal 71: 44. 1903.	Tr	Jul. - Sept.	Kalimpong,	1100 - 1600 m.
		288	<i>Herminium macrophyllum</i> (D. Don) Dandy, J. Bot. 70: 328. 1932.	Tr	Jun. - Sept.	Phalut,	2750 - 4000 m
		289	<i>Herminium quinquelobum</i> King & Pantl., J. Asiat. Soc. Bengal 65(2): 130. 1896.	Tr	Jul. - Sept.	Rambi forest,	1800 - 2600 m.
54	Herpysma Lindl.	290	<i>Herpysma longicaulis</i> Lindl., Gen. Sp. Orchid. Pl. 506. 1840.	Tr	Aug. - Nov.	Jalapahar, Senchal-Tiger Hill;	2200 - 2550 m.
55	Ione Lindl.	291	<i>Ione andersonii</i> King & Pantl. in Ann. Roy. Bot. Gard. (Calcutta) 8: 159. t.217. 1898.	E	Apr.	Darjeejing Duars (BTR).	Up to 1800m
56	Lecanorchis Bl.	292	<i>Lecanorchis sikkimensis</i> N. Pearce & P.J. Cribb in Edinb. Jour. Bot. 56(2): 280. 1999.	Tr/S	Sept. - Nov.	Kainjalay;	1200 m
57	Liparis C. Richard	293	<i>Liparis bootanensis</i> Griff., Itin. Pl. Khasyah Mts.: 98. 1848.	E	Jun. - Sept.	Jalapahar, Pattabong, Takdah,	1300 - 2300 m.

Table 1 contd....

Table 1 contd....

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
		294	<i>Liparis cathcartii</i> Hook. f., Icon. Pl. ser. 3(19):t.1808. 1889.	E	Apr. – aug.	Senchale,	2000 – 3100 m
		295	<i>Liparis cespitosa</i> (Lamk.) Lindl., Bot. Reg. 11: sub t.882. 1825.	E	Jul. – Sept.	Sonada,	1800 – 2200 m
		296	<i>Liparis cordifolia</i> Hook. f., Icon. Pl. ser. 3(19): t. 1811. 1889.	E	Oct. – Feb.	Rammam;	1000 – 2500 m
		297	<i>Liparis deflexa</i> Hook. f., Fl. Brit. Ind. 5: 697. 1890.	E	Jun. – Dec.	Tista river valley;	up to 1000 m.
		298	<i>Liparis delicatula</i> Hook. f., Icon. Pl. ser. 3(19):t.1889. 1889.	E	Jun.	Darjeeling (Pankhabari).	1800m.
		299	<i>Liparis dongchenii</i> Lucksom, J. Forestry, 23(1) 113-115. 2000.	E	Jun. – Dec.	Sittong,	600 – 1000 m.
		300	<i>Liparis duthiei</i> Hook. f., Icon. Pl. ser. 3(19):t.1857B. 1889.	E	Jun – Sept.	Kumsi,	400 – 1500 m.
		301	<i>Liparis gamblei</i> Hook. f., Icon. Pl. ser. 3(19):t.1812. 1889.	E	Jul. – Nov.	Senchale, Jalapahar,	1600 – 2400 m
		302	<i>Liparis manni</i> Rehb. f. in Flora: 275. 1872	E	Dec.	Duars, Darjeeling.	3000m
		303	<i>Liparis nervosa</i> (Thunberg) Lindl., Gen. Sp. Orchid. Pl. 26. 1830.	E	Jul. – Nov	Tista and Rangit river valleys;	500-1500 m.
		304	<i>Liparis nervosa</i> var. <i>khasiana</i> (Hook. f.) P.K. Sarkar, Jour. Econ. Taxon. Bot. 5: 1008. 1992.	E	Aug. – Nov.	Birch Hill area;	2000-2300 m
		305	<i>Liparis odorata</i> (Willd.) Lindl., Gen. Sp. Orchid. Pl. 26. 1830.	E	May – Aug.	Foothills, Tista, Rangit river belts	upto 1200 m.
		306	<i>Liparis perpusilla</i> Hook. f. Icon. Pl. Ser 3, (19):t.1856B. 1889.	E	Aug.	Darjeeling (Sandakphu to Tonglu. Senchal)	1800 - 3970m
		307	<i>Liparis plantaginea</i> Lindl., Gen. Sp. Orchid. Pl.: 29. 1830.	E	Jun. – Sept.	Manay bhanjang,	1800 – 2200 m
		308	<i>Liparis platyrachis</i> Hook. f., Icon. Pl. ser. 3(19): t.1890. 1889.	E	Sept. – Dec.	Algarah forest, Kalimpong,	1200 – 1800 m
		309	<i>Liparis resupinata</i> Ridley in Jour. Lim laeus Soc., Bot. 22:290. 1886.	E	Nov. – Mar.	Kainjalay;	1000-2000m.
		310	<i>Liparis somai</i> Hayata, Icon. Pl. Formos. 4: 33, t.6. 1914.	E	Sept. – Dec.	Algarah forest,	450 – 1100 m.
		311	<i>Liparis tigerhillensis</i> A.P. Das & Chanda, Jour. Econ. Taxon. Bot. 12: 403. 1988 publ. 1989.	E	Jul. – Aug	Tiger Hill area;	2400 - 2500 m.
		312	<i>Liparis viridiflora</i> (Bl.) Lindl., Gen. Sp. Orchid. Pl. 31. 1830.	E	Oct. – Jan	Kainjalay; Duars (BTR – Adma, Bhutan Ghat).	500-1500 m

Table 1 contd....

Table 1 contd....

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
58	Luisia Gaudichaud	313	<i>Luisia brachystachys</i> (Lindl.) Bl., Rumphia: 4: 50. 1849.	E	Mar. – May	Sevoke forest, Duars (BTR), Sundarbans	upto 700 m
		314	<i>Luisia filiformis</i> Hook. f., Fl. Brit. Ind. 6: 23. 1890.	E	Mar. – May	Mahananda Wildlife Sanctuary;	upto 1000m.
		315	<i>Luisia tristis</i> (G. Forster) Hook. f., Fl. Brit. Ind. 6: 25. 1890.	E	Mar. – Jul.	Sevoke forest,	300 – 900 m
		316	<i>Luisia trichorrhiza</i> (Hook.) Bl., Rumphia 4: 50. 1849.	E	Mar. – May	Darjeeling, Duars [BTR]	1000 - 1500 m
		317	<i>Luisia zeylanica</i> Lindl., Fol. Orchid. Luisia 4: 3, no.7. 1853.	E	Mar. – Jun.	Rangit Valley,	370 – 1000 m.
59	Malaxis Solander ex Swartz	318	<i>Malaxis muscifera</i> (Lindl.) Kuntze, Revis. General Pl. 2: 673. 1891.	Tr	Nov. – Jan.	Upper part of Tiger Hill;	500-2500 m.
		319	<i>Malaxis purpurea</i> (Lindl.) Kuntze, Revis. Gen. Pl. 2: 673. 1891.	Tr	Jun. – Sept.	Mangal dara,	700 – 800 m.
60	Micropera Lindl.	320	<i>Micropera mannii</i> (Hook. f.) Tang & F. T. Wang, Acta Phytotax. Sin. 1: 94. 1951.	E	Jun – Oct.	Duars (BTR – Adma, Tobagaon, Bhutan Ghat)	up to 800m
		321	<i>Micropera pallida</i> (Roxb.) Lindl. Edwards' Bot. Reg. 18: t. 1522. 1832.	E	Nov. – Jan	Terai, Darjeeling	Up to 1000m
		322	<i>Micropera obtusa</i> (Lindl.) T. Tang & F. T. Wang, Acta Phytotax. Sin. 1: 94. 1951.	E	Jun – Sept.	Tista river valley, Duars (BTR);	Up to 700 m.
61	Monomeria Lindl.	323	<i>Monomeria barbata</i> Lindl., Gen. Sp. Orchid. Pl. 61. 1830.	E	Nov. – Mar.	Senchale, Gumbadara,	900 – 2500 m.
62	Myrmechis (Lindl.) Bl..	324	<i>Myrmechis pumila</i> (Hook. f.) T. Tang & F. T. Wang in Acta Phytotax. Sin. 1(1): 69. 1951.	Tr	Jul. – Sept.	Darjeeling (Sureil)	1800-3600m
63	Nephelaphyllum Bl..	325	<i>Nephelaphyllum cordifolium</i> (Lindl.) Bl., Fl. Javae nov. ser. 1: t.61.3. 1858.	Tr	Jun. – Sept.	Neol forest, Duars (BTR)	800 – 1600 m.
		326	<i>Nephelaphyllum pulchrum</i> Bl., Bijdr. : 373, t.36. 1825.	Tr	Jul. – Oct.	Duars, BTR, Tarkhola,	500 – 1200 m.
64	Nervilia Commerson ex Gaudichaud	327	<i>Nervilia aragoana</i> Gaud., Freycinet, Voy. Uranie: 422, t.35. 1826.	Tr	Mar. – Jun.	Geilkhola, Teesta Valley	450 – 1000 m.
		328	<i>Nervilia concolor</i> (Bl.) Schlechter in Bot. Jahrb. Syst. 45: 404. 1911.	Tr	Jun	Purulia, Darjeeling, in Duars	Up to 1000m
		329	<i>Nervilia falcata</i> (King & Pantl.) Schltr., Bot. Jahrb. Syst. 45: 402. 1911.	Tr	Apr.	Duars	Up to 1000m
		330	<i>Nervilia gammieana</i> (Hook. f.) Schlechter in Bot. Jahrb. Syst. 45: 404. 1911.	Tr	Apr. – Jun	Rangit river valleys;	300- 1000 m.
		331	<i>Nervilia macroglossa</i> (Hook. f.) Schlechter in Bot. Jahrb. Syst. 45: 403. 1911.	Tr	May – Jun.	Samalbung,	1000 – 1800 m.

Table 1 contd....

Table 1 contd....

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
		332	<i>Nervilia plicata</i> (Andrews) Schlechter, Bot. Jahrb. Syst. 45:403. 1911.	Tr	Apr. – May	Tista river valley;	200-400 m.
65	Oberonia Lindl.	333	<i>Oberonia acaulis</i> Griffith, Itin. Pl. Khasyah Mts.: 98. 1848.	E	Oct. – May	Maneybhanyang to dhotrey;	2000-2500 m.
		334	<i>Oberonia angustifolia</i> Lindl., Pol. Orchid. Oberonia 8: 5, no. 29. 1859.	E	Mar. – May	Tista river valley;	Up to 500m.
		335	<i>Oberonia brachystachys</i> Lindl., Sen. Orchid. 2: sub t.86. 1835.	E	Jul –Oct.	Terai (unlocalised Hook. specimen)	Up to 800m.
		336	<i>Oberonia caulescens</i> Lindl., Pol. Orchid. Oberonia 2: 7, no. 9. 1859.	E	Mar. – Sept.	Gorkhey;	2000 – 2500 m.
		337	<i>Oberonia emerginata</i> King & Pantl. in Ann. Roy Bot. Gard. (Calcutta) 8: 6. t. 2A. 1898.	E	Sept. – Dec.	Bijanbari;	800- 1500 m
		338	<i>Oberonia ensiformis</i> (J.E. Sm.) Lindl., Fol. Orchid. Oberonia 8: 4, no.21. 1859.	E	Oct. – Dec.	Balasan,	450 – 700 m.
		339	<i>Oberonia falcata</i> King & Pantl., J. Asiat. Soc. Bengal 64(3): 329. 1896.	E	Jul. – Nov.	Lava, Algarah,	1300 – 1800 m
		340	<i>Oberonia falconeri</i> Hook f., Ic Pl. t. 1780, 1888.	E	Oct. - Dec.	Purulia	Up to 800m.
		341	<i>Oberonia mucronata</i> (D. Don) Ormerod & Seidenfaden in Seidenfaden, Contrib. Orch. Flora Thailand XIII: 20. 1997.	E	Oct. – Mar.	Tista river valley;	300- 500 m
		342	<i>Oberonia obcordata</i> Lindl., Fol. Orchid. Oberonia 8: 7, no. 43. 1859.	E	Jul. – Dec.	Gorkhey;	1500-2500m.
		343	<i>Oberonia pachyphylla</i> King & Pantl. in Ann. Roy. Bor. Card. (Calcutta) 8: 5, t.4. 1898.	E	Apr. – Jul.	Terai [Salgara]	450 – 700 m.
		344	<i>Oberonia pachyrachis</i> Reichenb. f., ex Hook. f. Fl. Brit. Ind. 5: 681. 1890.	E	Dec. – Mar.	Kolbong;	up to 1500 m.
		345	<i>Oberonia prainiana</i> King & Pantl. in J. Asiat. Soc. Bengal 64(3): 331. 1896.	E	Apr. – Jun.	Darjeeling (Sivok, Tista River Valley	500- 1800m
		346	<i>Oberonia pyralifera</i> Lindl., Fol. Orchid. Oberonia 8: 3, no. 15. 1859.	E	Oct. – Dec.	Kurseong to Senchal;	1500-2400m.
		347	<i>Oberonia recurva</i> Lindl., Bot. Reg. 25: misc. 14, no. 8 1839.	E	Oct. – Dec.	Chuikhim,	200 – 900 m.
		348	<i>Oberonia rufilabris</i> Lindl., Sert. Orchid. 2: t.8a. 1838.	E	Feb. – Mar.	Duars	1660m.
66	Odontochilus Bl.	349	<i>Odontochilus clarkei</i> Hook. f. Fl. Brit. India 6(1): 100. 1890; Icon. Pl. 22: t.2168. 1894.	Tr	Aug.	Darjeeling (Mongpu).	900 – 1500m
		350	<i>Odontochilus crispus</i> (Lindl.) Hook. f., Fl. Brit. India 6(1): 99. 1890.	Tr	Aug. – Nov.	Mungpoo	300 – 2800 m

Table 1 contd....

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Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
		351	<i>Odontochilus elwesii</i> C.B. Clarke ex Hook. f., Fl. Brit. India 6(1): 100. 1890.	Tr	Jul. – Nov.	Lava, Rimbick,	1900 – 2600 m.
		352	<i>Odontochilus lanceolatus</i> (Lindl.) Bl., Coll. Orchid.: 80 t. 29. 1858.	Tr	Jun. - Oct.	Kurseong to Senchal,	1000-2500m.
		353	<i>Odontochilus tortus</i> King & Pantl. in J. Asiat. Soc. Bengal 65(2): 125. 1896.	Tr	Nov.–Dec.	Duars (Kumai).	1200m
67	Oreorchis Lindl.	354	<i>Oreorchis micrantha</i> Lindl. Jour. Proc. Linn. Soc., Bot. 3: 27. 1859.	Tr	Jun. – Nov.	Tiger hill;	1000-2500m.
68	Ornithochilus (Lindl.) Benth.	355	<i>Ornithochilus difformis</i> (Wall. ex Lindl.) Schltr., Feddes Repert. Spec. Nov. Regni Veg. Beih. 4: 277. 1919.	E	Jun. – Nov.	Lava, Nokhdara,	900 – 2300 m.
69	Otochilus Lindl.	356	<i>Otochilus albus</i> Lindl., Gen. Sp. Orchid. Pl. 35. 1830.	E	Jun. – Sept.	Duars (BTR); Kurseong, (Dow Hill)	1500-2000 m.
		357	<i>Otochilus fuscus</i> Lindl., Gen. Sp. Orchid. Pl. 35. 1830.	E	May – Dec.	Lebong, Duars (BTR);	1000-2000 m.
		358	<i>Otochilus lancilabius</i> Seidentfaden in Bot. Tidsskr. 71: 13, t. 11. 1976.	E	Oct. – Mar.	Kursrong to Darjeeling,	1500-2200 m.
70	Pachystoma Bl.	359	<i>Pachystoma pubescens</i> Bl., Bijdr.: 376, t. 29. 1825.	Tr	Nov. - May	Terai Jalpaiguri. Duars	Up to 1200m
71	Panisea (Lindl.) Steudel	360	<i>Panisea demissa</i> (D. Don) Pfitz., Engler, Pflanzener. (IV. 50) Coelog.: 141, t. 49. 1907.	E	Oct. – Mar.	Lava, Duars (BTR);	900 – 3200 m.
		361	<i>Panisea unijlora</i> (Lindl.) Lindl., Fol. Orchid. Panisea 5: 2, no. 4. 1854.	E	Mar. – Jun.	Tista river valley;	Up to 700 m.
72	Papilionanthe Schlechter	362	<i>Papilionanthe teres</i> (Roxb.) Schlechter in Orchis 9: 78, t. 12. 1915.	E	Jun. – Oct.	Terai and foothills, West Dinaipur, Kochbehar	Up to 700 m.
		363	<i>Papilionanthe unijlora</i> (Lindl.) Garay in Bot. Mus. Leaf. 23 (10) 372. 1974.	E	Aug. - May	Llyod Botanic Garden,	1500-2500 m.
		364	<i>Papilionanthe vandarum</i> (Reichenbach f.) Garay in Bot. Mus. Leaf. 23 (10) 372. 1974.	E	May - June	Llyod Botanic Garden, Darjeeling.	1500-2200 m.
73	Paphiopedilum Pfitz	365	<i>Paphiopedilum fairrieanum</i> (Lindl.) Stein, Orchid.-Buch: 467. 1892.	Tr	Oct. – Mar.	Lloyd Botanical Garden, Darjeeling, Duars (BTR),	850 – 2200 m.
		366	<i>Paphiopedilum hirsutissimum</i> (Lindl. ex Hook.) Stein, Orchideenbuch, 470. 1892.	Tr	Feb. – Oct.	Agricultural Research, Darjeeling Campus and Lloyd Botanical Garden, Darjeeling	850 – 2300 m.
		367	<i>Paphiopedilum insigne</i> (Wall. ex Lindl.) Pfitz., Morph. Stud. Orchideenbl. 11. 1886.	Tr	Nov. – Jan.	Lloyd Botanical Garden – Darjeeling. General distribution	850–2300 m.

Table 1 contd....

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Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
		368	<i>Paphiopedilum spicerianum</i> (Rchb. f. ex Masters & T. Moore) Pfitz., Jahrb. Wiss. Bot. 19: 164. 1888;	Tr	Sept. – Nov.	Darjeeling Campus,	850 – 2300 m.
		369	<i>Paphiopedilum venustum</i> (Wall.) Pfitz. ex Stein, Jahrb. Wiss. Bot. 19: 165. 1888.	Tr	Feb. – Jan.	Kalimpong, duars (BTR)	850 – 2300m.
		370	<i>Paphiopedilum villosum</i> (Lindl.) Pfitz., Hook. f., Fl. Brit. India 5: 857. 1890.	Tr	Jan. – Oct.	Darjeeling, Lloyd Botanical Garden	850 – 2300m.
74	Pecteilis Rafinesque	371	<i>Pecteilis susannae</i> (L.) Rafinesque, Pl. Tellur. 2: 38, no. 125. 1836. <i>Orchis susannae</i> L., Sp. Pl. 939. 1753.	Tr	Apr. – Oct.	Darjeeling (Chota Rangit River)	1200m
75	Pelatantheria Lindl	372	<i>Pelatantheria insectifera</i> (Rchb. f.) Ridl., Journ. Linn. Soc. Bot. 32: 376. 1896.	E	Jun. – Oct.	Sevoke forest, Gorubathan,	150 – 900 m.
76	Peristylus Bl.	373	<i>Peristylus affinis</i> (D. Don) Seidenf., Dansk Bot. Arkiv. 31(3): 48, t. 23. 1977.	Tr	Jun. – Sept.	Algarah, Seokbir khani,	600 – 1900 m.
		374	<i>Peristylus aristatus</i> Lindl., Gen. Sp. Orchid. Pl. 300. 1835.	Tr	Jun. – Sept.	Birch Hill, Tiger Hill;	1500-2300m.
		375	<i>Peristylus constrictus</i> (Lindl.) Lindl., Gen. Sp. Orchid. Pl. 300. 1835.	Tr	Jun. – Oct.	Kalimpong;	500 – 1500 m
		376	<i>Peristylus elizabethae</i> (Duthie) R.K. Gupta, PL Nafnitab: 351 (1968).	Tr	Apr. – Oct.	Darjeeling (Phalut to Raniman	850 – 2300 m.
		377	<i>Peristylus fallax</i> Lindl., Gen. Sp. Orchid. Pl.: 298. 1835.	Tr	Jan. – Oct.	Darjeeling (Jaunbari)	2200 – 3800 m.
		378	<i>Peristylus goodyeroides</i> (D. Don) Lindl., Gen. Sp. Orchid. Pl. 299. 1835.	Tr	Jun. – Sept.	Kalimpong.;	500-2000m
		379	<i>Peristylus hamiltonianus</i> Lindl., Gen. .Sp. Orchid. PL: 299 (1833).	Tr	Jun. – Sept.	Darjeeling (unlocalised Griffith; specimen).	1500-2000m
		380	<i>Peristylus laceriferus</i> (Lindl.) J.J. Smith in Bull. Jard. Bot. Buitenzorg ser. 3, 9: 23. 1927.	Tr	Jun. – Sept.	Darjeeling (Sivok).	305m.
		381	<i>Peristylus nematocaulon</i> (Hook. f.) M.L. Banerji & P. Pradhan, Orchid. Nepal Himalaya: 106. 1984.	Tr	Jun. – Oct.	Tonglu, Megma, Ramam, Sandakphu	2400–3600 m.
		382	<i>Peristylus parishii</i> Rchb. f., Trans. Linn. Soc. London 30: 139. 1874.	Tr	Jun. – Sept.	Sittong,	500 – 800 m.
		383	<i>Peristylus superanthus</i> J.J. Wood, Kew Bull. 41(4): 811. 1986.	Tr	Jun. – Oct.	Tonglu, Gairibas forest,	2500 – 3300 m.
		384	<i>Peristylus tipuliferus</i> (Par. & Rchb. f.) Mukerjee, Notes Roy. Bot. Gard. Edinburgh 21: 158. 1953.	Tr	Jun. – Sept.	Tonglu, Dowhill- Kursong,	1000 – 2800 m.

Table 1 contd....

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Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
77	Phaius Lour.	385	<i>Phaius flavus</i> (Bl.) Lindl., Gen. Sp. Orchid. Pl. 127. 1831.	Tr	Apr. – Jul.	Duars (BTR);	Up to 1000 m.
		386	<i>Phaius mishmensis</i> (Lindl. & Paxton) Rehb. f., Bonplandia 5: 43. 1857.	Tr	Jun. – Oct.	Kafer, Dilaram,	1100 – 2700 m.
		387	<i>Phaius mishmensis</i> (Lindl. & Paxton) Reichenbach. f. in Bonplandia 5: 43. 1857.	Tr	Apr. – Aug.	Tista river valley,	up to 700 m.
		388	<i>Phaius nanus</i> Hook. f., Fl. Brit. India 6(1): 192 (1890).	Tr	Feb.	Duars (Buxa Reserved Forest); Darjeeling (Naksalbari).	Up to 1000 m.
		389	<i>Phaius tankervilleae</i> (Banks) Bl., Mus. Bot. 2: 177. 1856.	Tr	Feb. – May	Tista and Mahananda, Terai forests;	upto 1700 m.
78	Phalaenopsis Bl.	390	<i>Phalaenopsis deliciosa</i> Rehb. f., Bonplandia 2: 93. 1854.	E	Jun. – Oct.	Duars (Rajabhatkawa)	300 – 800 m.
		391	<i>Phalaenopsis tobbii</i> (Rehb. f.) H.R. Sweet, Genus <i>Phalaenopsis</i> : 53. 1980.	E	Mar. – Jun.	Duars (BTR)	250 – 700 m.
		392	<i>Phalaenopsis mannii</i> Reichenbach f. in Gard. Chron. 1871: 902. 1871.	E	Mar. – May	Tista river valley, Duars (BTR);	300- 1000 m.
		393	<i>Phalaenopsis taenialis</i> (Lindl.) E. A. Christenson & U.C. Pradhan, Indian Orchid J. 1: 154. 1985.	E	Apr. – Jun.	Throughout between	800-2000 m
79	Pholidota Lindl. ex Hook.	394	<i>Pholidota articulata</i> Lindl., Gen. Sp. Orchid. Pl. 38. 1830.	E	Apr. – Oct.	Duars (BTR);	300-2000 m.
		395	<i>Pholidota articulata</i> Lindl. var. <i>griffithii</i> (Hook. f.) King & Pantl., Ann Bot. Gard. (Calcutta): 147, t.204. 1898.	E	Apr. – Oct.	Darjeeling (Pembling)	400 – 1200 m.
		396	<i>Pholidota imbricata</i> Hook., Exot. Fl. 2: t. 138. 1825.	E	Mar. – Jul	Duars (BTR);	Up to 2000 m.
		397	<i>Pholidota pallida</i> Lindl. in Bot. Reg. 21: sub t. 177. 1835.	E	May – Dec.	Kurseong;	Up to 1200 m.
		398	<i>Pholidota recurva</i> Lindl., Gen. Sp. Orchid. Pl.: 37. 1830.	E	Aug. – Oct.	Darjeeling (Tangta forest, Echey Busty)	600 – 2000 m
		399	<i>Pholidota rubra</i> Lindl., Gen. Sp. Orchid. Pl.: 37. 1830.	E	Oct. – Jan.	Duars (BTR), Mungpoo, Lava	900 – 2200 m.
80	Phreatia Lindl.	400	<i>Phreatia elegans</i> Lindl., Gen. Sp. Orchid. Pl.: 63. 1830.	E	Mar. – Jun.	Damsangari,	1500 – 2000 m
81	Platanthera C. Richard	401	<i>Platanthera bakeriana</i> (King & Pantl.) Kranz., Orchid. Gen. Sp. 1: 632. 1898.	Tr	Jun. – Sept.	Phalut forest, Gairibas, Neora Valley	2200 – 3400 m.
		402	<i>Platanthera biermanniana</i> (King & Pantl.) Kranzlin, Orchid. Gen. Sp. 1: 636. 1898.	Tr	Jul. – Oct.	Birch Hill & Tiger Hill;	around 2300 m.

Table 1 contid....

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Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
		403	<i>Platanthera clavivigera</i> Lindl., Gen. Sp. Orchid. Pl. 289. 1830.	Tr	Sept.	throughout temperate zone;	1700-2200m.
		404	<i>Platanthera cumminsiana</i> (King & Pantl.) Renz., Edinb. J. Bot. 58(1): 117. 2001.	Tr	Jul. - Sept.	Jaunbari,	2800 - 3600 m
		405	<i>Platanthera edgeworthii</i> (Hook. f. ex Collett) R.K. Gupta, Fl. Naimitalensis: 349. 1968.	Tr	Jul. - Oct.	Gairibas, Gorkhey,	2400 - 2900 m
		406	<i>Platanthera exelliana</i> Soo, Ann. Hist.-Nat. Mus. Natl. Hung. 26: 359. 1929.	Tr	Jun. - Aug.	Phalut,	2900 - 4350 m
		407	<i>Platanthera latilabris</i> Lindl., Gen. Sp. Orchid. Pl. 289. 1830.	Tr	Jul. - Sept.	Common in temperate zone;	1700-2200 m
		408	<i>Platanthera orbicularis</i> (Hook. f.) X. H. Jin, Schuit Raskoitt, Phytokeys 79: 72. 2017.	Tr	Apr. - Jul.	Darjeeling Singalila	up to 3600m
		409	<i>Platanthera stenantha</i> (Hook. f.) Soo, Ann. Hist. Nat. Mus. Natl. Hung. 26: 363. 1925.	Tr	Jul. - Oct.	Jalapahar,	1900 - 3500 m
		410	<i>Platanthera stenochila</i> X. H. Jin, Schuit Raskoitt & L. Q. Huang, Cladistics 32: 210. 2015.	Tr	Jun. - Sept.	Darjeeling (Unlocalised)	Up to 2000 m.
82	Pleione D. Don	411	<i>Pleione hookertiana</i> (Lindl.) B.S. Williams, Orhd. Man. ed. 6: 548. 1885;	Tr	Apr. - Sept.	Neora Valley National Park; above	2300 m
		412	<i>Pleione humilis</i> (J.E. Smith) D. Don, Prodr. Fl. Nepal 37. 1825.	Tr	Feb. - Mar.	Neora Valley National Park;	above 2300 m
		413	<i>Pleione maculata</i> (Lindl.) Lindl., Paxt., Fl. Gard. 2: 5, t. 39. 1851.	Tr	Oct. - Dec.	Munsong, Duars (BTR);	500 - 1800 m.
		414	<i>Pleione preacox</i> (J.E. Smith) D. Don, Prodr. Fl. Nepal 37. 1825.	Tr	Sept- Dec.	Grows almost in all places	1500-2500 m.
83	Podochilus Bl.	415	<i>Podochilus cultratus</i> Lindl., Gen. Sp. Orchid. Pl.: 234. 1833.	E	Aug. - Sept.	Darjeeling (Yangmakum),	300-1700 m.
		416	<i>Podochilus khasianus</i> Hook. f., Fl. Brit. India 6(1): 81. 1890; Icon. Pl. 22: t. 2146. 1894.	E	Jul. - Oct.	Sonada-Pacheng, Duars (BTR)	1000 - 2000 m
84	Pomatocalpa Breda.	417	<i>Pomatocalpa armigerum</i> (King & Pantl.) Tang & Wang, Acta Phytotax. Sin. 1(1): 98. 1951.	E	Aug. - Oct.	Solok-Kalimpong, Gasoke,	200 - 700 m.
		418	<i>Pomatocalpa undulatum</i> (Lindl.) T. Tang & F.T. Wang in Acta. Phytotax. Sin. 1(1-2): 100. 1851.	E	Mar.	Darjeeling (Rishep).	330m
85	Ponerorchis Rchb. f.	419	<i>Ponerorchis rhusua</i> (D. Don) Son in Acta Bot. Acad. Sci. Hung. 12: 352. 1966.	E	Jun. - Oct.	Sandakphu to Phalut, Darjeeling	up to 3600m
86	Porpax Lindl.	420	<i>Porpax elwesii</i> (Rchb. f.) Rolfe, Orchid Rev. 16: 8. 1908.	E	Sept- Dec.	Toonang,	500 - 1400 m.
87	Pteroceras Hassk	421	<i>Pteroceras teres</i> (Bl.) Holtt., Kew Bull. 14: 271. 1960.	E	Jun. - Sept.	Suruk, Gasoke,	300 - 1100 m.

Table 1 contd....

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Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
88	Rhomboda Lindl.	422	<i>Rhomboda lanceolata</i> (Lindl.) Ormerod, Orchadian 11 (7): 329. 1995.	Tr	Apr - Sept.	Terai Kochbehar	Up to 1400 m.
89	Rhynchosstylis Bl.	423	<i>Rhynchosstylis retusa</i> Bl., Bijdr.: 286, t. 49. 1825.	E	Apr. - Aug.	Terai Malda, West Dinajpur, Duars (BTR), Norten Bengal.	Up to 1200 m
90	Robiquetia Gaudichaud	424	<i>Robiquetia bambusara</i> (King & Pantl.) R. Rice, Photo Intro. Vandoid Orchid Gen. Asia. 163. 2018.	E	May.	Darjeeling (Nimbong);	500 m
91	Saccolabiopsis J.J. Sm.	425	<i>Saccolabiopsis pusilla</i> (Lindl.) Seidenf. & Garay, Bot. Tidsskr. 67: 118, t.33. 1972.	E	Feb. - May	Kambal,	200 - 500 m.
92	Satyrium Swartz	426	<i>Satyrium nepalense</i> var. <i>nepalense</i> D. Don. Prodr. Fl. Nepal. 26. 1825.	Tr	Apr. - Aug.	Senchal wildlife sanctuary,	Above 2000 m.
		427	<i>Satyrium nepalense</i> var. <i>ciliatum</i> (Lindl.) Hook. f. Fl. Brit. Ind. 6: 168. 1890;	Tr	Aug. - Jan	Tiger Hill, Senchal, Lepchagajat;	1700 - 2200 m
93	Schoenorchis Bl.	428	<i>Schoenorchis gemmata</i> (Lindl.) J.J. Smith in Nat. Tijdschr. Ned. Indie. 72: 100. 1912;	E	May - Oct	Mahananda wildlife sanctuary,	Up to 500 m.
94	Smitinandia Holtum	429	<i>Smitinandia micrantha</i> (Lindl.) Holtum in Grad. Bull. Singapore 25: 106. 1969;	E	Mar. - Jul	Almost all places from Terai to mid-hills, Duars (BTR);	Up to 700 m.
95	Spiranthes C. Richard	430	<i>Spiranthes australis</i> (R. Br.) Lindl. Bot. Reg. 10: t. 823. 1824.	Tr	Mar. - Oct.	Singalila National Parks, Kainjalay;	Up to - 2500 m.
		431	<i>Spiranthes sinensis</i> (Pers.) Ames, Orchidaceae 2: 53. 1908;	Tr	Mar. - Oct.	Senchal wildlife sanctuary, Kainjalay;	Up to - 2500 m.
96	Staurochilus Ridley ex Pfitzer	432	<i>Staurochilus ramosus</i> (Lindl.) Seidenfaden in Opera Bot. 95: 95. 1988	Tr	May- Jul.	Terai;	Up to 500 m
97	Stereochilus Lindl.	433	<i>Stereochilus hirtus</i> Lindl., J. Proc. Linn. Soc., Bot. 3: 38. 1859	E	May - Jul	Nockdara,	1800-2500m.
98	Sunipia Lindl.	434	<i>Sunipia bicolor</i> Lindl., Gen. Sp. Orchid. Pl. 179. 1833;	E	Oct. - Dec.	Tiger Hill, Neora-Sikkim Border, Reshete;	1700-2400m.
		435	<i>Sunipia cirrhata</i> (Lindl.) P.F. Hunt in Kew Bull. 26(1): 184. 1971.	E	Oct. - Dec.	Lava, Rambiforest,	1600 - 1900 m.
99	Tainia Bl.	436	<i>Tainia megalantha</i> Tang & Wang, Acta Phytotax. Sin. 1: 76. 1951.	Tr	Mar. - Jun	Kumai, Jholung, Terai	250 - 700 m.
		437	<i>Tainia minor</i> Hook. f., Fl. Brit. India 5(2): 821. 1890.	Tr	May - Jul	Kalimpong, Algarah,	1700-2300 m.
		438	<i>Tainia penangiana</i> Hook. f., Fl. Brit. India 5(2): 820. 1890.	Tr	Feb. - May	Darjeeling, Nimbong,	700 - 1700 m.
100	Thelasis Bl.	439	<i>Thelasis longifolia</i> Hook. f., Fl. Brit. India 6(1): 87. 1890.	E	Jul. - Sept.	Nimbong,	600 - 1000 m.

Table 1 contd....

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Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
		440	<i>Thelasis pygmaea</i> (Griff.) Bl., Fl. Javae nov. ser.: 22. 1858.	E	Aug. – Oct.	Neol forest, Mangmaya, Gasoke, Duars (BTR),	250 – 900 m.
101	Thrixspernum Lour.	441	<i>Thrixspernum centipeda</i> Lour., Fl. Cochinch.: 520. 1790.	E	Sept.	Duars (unlocalised Pantling specimen)	330m.
102	Thunia Reichenbach f.	442	<i>Thunia alba</i> (Lindl.) Reichenbach f. in Bot. Zeitung (Berlin) 10: 764. 1852; var. <i>alba</i> .	E	May – Sept.	Terai, Pankhabari, Samsing, Mahananda wildlife sanctuary, Tista river valley, Duars (BTR);	Up to 1800 m.
		443	<i>Thunia alba</i> var. <i>bracteata</i> (Roxb.) Pearce & Cribb, Edimb. J. Bot. 58(1): 116. 2001.	E	Jul – Sept	Darjeeling, Seokbir khani, Sinjee,	900 – 1400 m.
103	Tipularia Nuttall.	444	<i>Tipularia josephi</i> Rchb. f. ex Lindl., J. Proc. Linn. Soc., Bot. 1: 174. 1857.	Tr	Jun – Sept.	Darjeeling, Tonglu, Dhotrey,	1900 – 3100 m.
104	Trichoglottis Bl.	445	<i>Trichoglottis ramosa</i> (Lindl.) Senghas in F.R.R. Schlec. Orchiden Besc. Kult. Zuchlt. Ed 3, 1(21): 1315. 1988.	E	Mar – Sept.	Sundarban, Duars (BTR) North Bengal	up to 550m
105	Trichotosia Bl.	446	<i>Trichotosia dasyphylla</i> (Par. & Rchb. f.) Kranz., Engler, Pflanzent. (IV.50) Dendrob.: 138. 1911;	E	Apr. – Jul	Mungpoo, Paiyung,	800 – 1200 m.
		447	<i>Trichotosia pulvinata</i> (Lindl.) Kranz., Engler & Prantl. Pflanzent. (IV.50) Dendrob.: 138. 1911;	E	Jun – Sept.	Gasoke,	400 – 800 m.
106	Tropidia Lindl.	448	<i>Tropidia angulosa</i> (Lindl.) Bl., Coll. Orchid. 122. 1959.	Tr.	Sept. – Jan	Tista river valley, Terai forests	Up to 700 m.
		449	<i>Tropidia curculigoides</i> Lindl., Gen. Sp. Orchid. Pl. 497. 1840.	Tr	May – Sept.	Tista river valley;	Up to 700 m.
107	Uncifera Lindl.	450	<i>Uncifera acuminata</i> Lindl. in J. Proc. Linn. Soc., Bot. 3: 40. 1858 (1859).	E	Jul. – Sept.	Darjeeling (unfocalised Gamble specimen)	1300–2000m
		451	<i>Uncifera obtusifolia</i> Lindl., J. Proc. Linn. Soc., Bot. 3: 40. 1859.	E	Aug. – Oct.	Tungsong, Duars (BTR)	1100 – 1900 m.
108	Vanda W. Jones ex R. Brown	452	<i>Vanda alpina</i> (Lindl.) Lindl., Fol. Orchid. Yanda 4: 10. 1853.	E	Apr – Aug.	Kalimpong, Duars (BTR);	1000-2700 m.
		453	<i>Vanda cristata</i> Lindl., Gen. Sp. Orchid. Pl. 216. 1831.	E	Apr. – Jul.	Rimbick, Duars (BTR);	900-2000 m.
		454	<i>Vanda pumila</i> Hook. f., Fl. Brit. India 6(1): 53. 1890.	E	Apr. – Jul.	Darjeeling, Duars (BTR)	980 – 2300 m.
		455	<i>Vanda tessellata</i> (Roxb.) Hook. ex G. Don, Hort. Brit. 372. 1830.	E	Apr. – Jul.	More or less every corner of the state;	Up to 1200 m.
109	Vandopsis Pfitzer	456	<i>Vandopsis undulata</i> (Lindl.) J.J. Smith in Natuurk. Tijdschr. Ned. Indie. 71: 77. 1912;	E	May– Dec.	Rombick to Srikhola;	900-2200m
110	Zeuxine Lindl.	457	<i>Zeuxine affinis</i> (Lindl.) Bentham ex Hook. f. Fl. Brit. Ind. 6: 108. 1890	Tr	Oct. – Feb.	Rungtung valley;	700-2000 m.

Table 1 contd....

Table 1 contd. ...

Sl. No.	Genus	Sl. No.	Scientific Name of the Species	Habitat	Fl & Fr. Time	Locality of their Availability	Altitudinal Range (m)
		458	<i>Zeuxine flava</i> (Wall. ex Lindl.) Trim., Syst. Cat. Fl. Pl.: 90. 1885;	Tr	Mar. – Jun	Lopchu, Takdah,	800–2100 m.
		459	<i>Zeuxine glandulosa</i> King & Pantl. in Ann. Roy. Bot. Gard. (Calcutta) 8: 288, t.384. 1898.	Tr	Mar.	Duars (Jaldacca River). In. dense subtropical jungle;	260-660m
		460	<i>Zeuxine goodyeroides</i> Lindl., Gen. Sp. Orchid. Pl. 486. 1840.	Tr	Mar. – Oct.	Kurseong, Thosum Forest;	2200-2600 m
		461	<i>Zeuxine Lindleyana</i> A. N. Rao, Arunachal Forest News 6: 34. 1988.	Tr	Mar – May	Darjeeling (?), No Area demarcated collection of King's Collector Marked with Bengal and Border west Bengal (Plain): Common.	
		462	<i>Zeuxine, longilabris</i> (Lindl.) Benth. ex Hook. f., Fl. Brit. India 6: 107. 1890.	Tr	Dec. – Jan		Up to 650m
		463	<i>Zeuxine membranacea</i> Lindl., Gen. Sp. Orchid. Pl. 486. 1840.	Tr	Nov. – Jan	Terai (Dungdungia), Darjeeling (Siliguri).	150- 180m
		464	<i>Zeuxine nervosa</i> (Wall. ex Lindl.) Benth. ex Clarke, Jour. Linn. Soc. Bot. 25: 73. 1889.	Tr	Jan. – Mar	West Dinajpur, Koch bihar,	500- 700 m
		465	<i>Zeuxine reflexa</i> King & Pantl., Ann. Roy. Bot. Gard. (Calcutta) 8: 291, t.388. 1898.	Tr	Apr. – Jun	Algarah, Mungpoo,	1000 – 1600 m
		466	<i>Zeuxine stratiomatica</i> (L.) schtr. in Bot. Jahrb. Syst. 45: 394. 1911.	Tr	Dec. – Feb	West Dinajpur, Murshidabad, Malda, and other places.	Up to 650m

Section of the Indian Museum (BSIS), BSI, Sikkim Himalayan Circle (BSHC), and the data obtained from the different districts flora of the state. Often field trips are taken into consideration whenever it is required and the adequate data about the Orchid flora is also gathered from the field.

The data which are gathered during the study are represented here in the table 1 below. In the table all the binomials are arranged alphabetical order followed by their habitat, phenology, place of occurrence and the altitudinal range.

In the enumeration table the abbreviation used are – E = Epiphytes, M = Mycophytes, Tr = Terrestrial, S = Saprophytes, BTR = Buxa Tiger Reserve, Jan. = January, Feb. = February, Mar. = March, Apr. = April, Jun. = June, Jul. = July, Aug. = August, Sept. = September, Oct. = October, Nov. = November, Dec. = December, Fl. = Flowering, Fr. = Fruiting, m = Meter.

Observation

Please insert Table 1 (Table 1 List of the Orchids of West Bengal State) here which given as a separate table on different pages.

Results and Discussion

Orchidaceae is the second largest family in India represented by 1195 species under 177 genera (Singh et al., 2004). According to Chakravarty et al., (1999), the family Orchidaceae in West Bengal, is represented by 112 species under 43 genera. Mitra (2016), estimated 468 Orchid species under 111 genera from the state of West Bengal. In the present work analyzing the data given in the table 1, it is found that, the state of West Bengal harbor 460 Species & 6 varieties of Orchids, belonging to 110 genera. A comparative account of orchid taxa found to occur in the state of West Bengal as per Chakravarty et al., (1999) and Mitra (2016) with the present work has been presented in (Fig. 1).

Most of the orchids are found in the Darjeeling, Kalimpong districts and the Terai Duars region of the state. Out of the 466 taxa of Orchid, 321 are epiphytic, 2 are mycophytes, 1 – is saprophytes and the residual 142 taxa are terrestrial (Fig. 2).

It is evident from the Table 1 that on the basis of number of species *Bulbophyllum* is the most diversified genus bearing 52 species followed by *Dendrobium* and *Eria* with 49 and 20 species respectively. The six dominant Orchid genera are presented in Table 2 which constitute about 38.26%

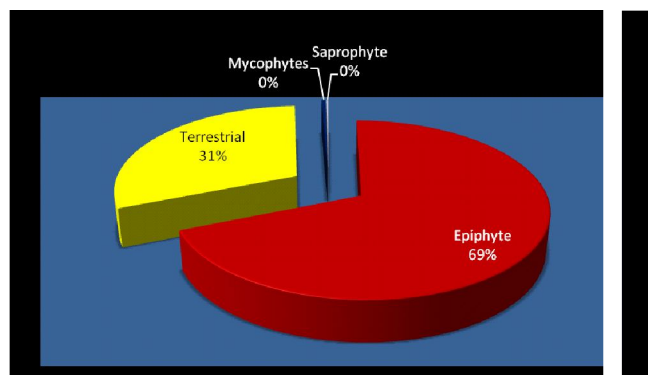


Fig. 2: Conspectus of the Habitat of the Orchids Species in West Bengal.

Table 2: Conspectus of the Most Diversified Orchid Genera of West Bengal.

Sl. No.	Name of the Genus	Numbers of Species
1	Bulbophyllum	52
2	Dendrobium	49
3	Eria	20
4	Cymbidium	19
	Liparis	19
5	Coelogyne	17

of total orchid species grown in the state. In contrary, there are 48 genera of orchids represented by single species each.

Conclusion

The Family Orchidaceae is a fascinating group of plants with a rich species diversity found to occur in the state of West Bengal. But due to rapid urbanization, deforestation and habitat destruction the natural population of Orchids of the state of West Bengal are under threat at present, especially in the Darjeeling Himalayan & the Terai Duars region. So, population study and status evaluation of the Orchids grown in the political boundary of the West Bengal are urgently needed for making conservation strategies to protect the beautiful creatures of the nature.

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