



Taxonomic assessment on the reported orchid species of Darjeeling district from flora of Bhutan, the Orchids of Bhutan - A review

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Abstract

Present paper deals 90 genera with 283 Orchid species reported from Darjeeling district of West Bengal, India from Flora of Bhutan, the Orchids of Bhutan. Of them, 42 genera with 167 species are epiphytic, 44 genera and 107 species are terrestrial, 3 genera with 4 species are saprophytic and the rest 3 genera with 5 species are partial/semi saprophytic in habitat. Of them, the genus *Cymbidium* and *Liparis* fall both in epiphytic and terrestrial habitat.

Key-Words: Reported Orchid species, Flora of Bhutan, Darjeeling district.

Introduction

Orchids belong to the family Orchidaceae is considered to be the most highly evolved in the floral specialization and diversified form among the monocotyledons. In India, Orchids from 9% of our flora and are the largest and highly advanced botanical family of higher plants. It is estimated that at about 25,000-35,000 species with 800-1,000 genera are distributed throughout the world. About 1300 species with 140 genera of Orchid species are found in India with temperate Himalayas as their natural home¹.

Darjeeling is an important constituent of Eastern Himalaya, falling in Northern part of West Bengal of Eastern India and a well known place of tourist interest for its colourful natural greenery and paramount glistening background of snow peak, the Mountain Kanchanjunga, the silvery and shining slopes of which shall tempt one to forget the rest of the world behind, when standing in reality at the Phalut summit at 3600m altitude. The region is well known for its diverse range of vegetation and as one of the richest in India². The district is subdivided into four sub-divisions *viz.*, Darjeeling sadar; Kalimpong, Kurseong and Siliguri (Fig. 1).

The region lies between 26 31' and 27 31' north latitude and between 87 59' and 88 53' east longitude in the eastern Himalayan region of India. It is bordered by Sikkim in the north, Terai and Dooars in the south, Bhutan in the east and Nepal in the west. The district has two topographical features. Darjeeling, Kurseong and Kalimpong form the hill areas whereas Siliguri is stationed at the foothill in a vast stretch of the plains. The shape of the district is triangular. The total area of the triangular shaped district is 3254.7 sq. km. which is 3.68 percent of the total areas of West Bengal state. The hilly region covers 2320 sq. km. and the remaining 934.7 sq. km. of the area falls in the Terai and plains. The altitudinal variations of the district range from 130m at Siliguri to 3636m at Sandakphu-Phalut with a sharp physiographic contrast between the plain and the mountainous regions. The region is rich in Orchid diversity and havour a number of species.

Flora of Bhutan, the Orchids of Bhutan including a record of plants from Sikkim and Darjeeling volume 3 Part 3 by N. R. Pearce and P. J. Cribb,³ illustrated by Susanna Stuart-Smith published by Royal Botanic Garden Edinburgh, Royal Government of Bhutan, 2002, the total number of species, based on verified specimens from the Bhutan, Sikkim, Darjeeling and the Chumbi Valley has 579. But 90 genera with 283 species reported from the Darjeeling region combining with Bhutan, Sikkim and Chumbi Valley. Many of the

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reported species are unlocalised *viz.*, Gamble, Gammie, Cowan, Griffith specimens. Present paper deals the reported Orchid species of Darjeeling district with alphabetical arrangement of genus with species, their habitat, flowering and fruiting months and distribution within Darjeeling are discussed.

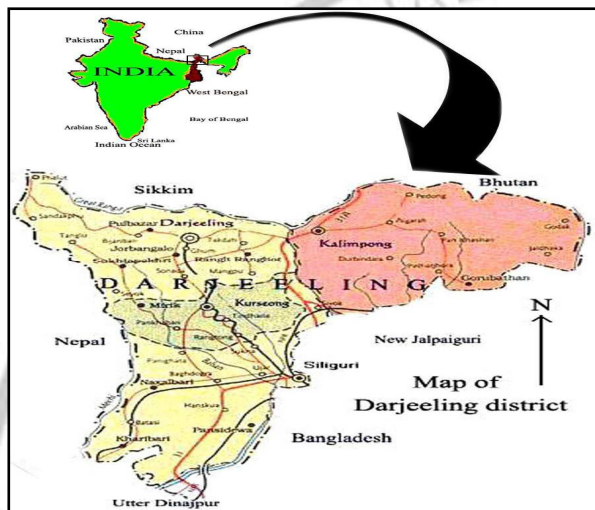


Fig. 1: Location of Darjeeling district (study area) of West Bengal, India

Material and methods

All the relevant data have been collected through related literatures. The reported Orchid species are arranged alphabetically by their generic and specific names with habitat, flowering and local distribution within Darjeeling district in details.

Enumeration

Acampe Lindl.

Acampe papillosa (Lindl.) Lindl., Fol. Orchid. *Acampe* 4: 2, no.5 1853. [Pearce & Cribb, Fl. Bhutan, 3(3): 490-491. 2002]

Habitat: Epiphytic; *Fl.* October-January.
Darjeeling (Rayeng).

Acanthephippium Bl.

Acanthephippium striatum Lindl. in Bot. Reg. 24: 41, misc.68. 1838. [Pearce & Cribb, Fl. Bhutan, 3(3): 274-276. 2002]

Habitat: Terrestrial; *Fl.* April-July.
Darjeeling (unlocalised Griffith specimens).

Aerides Lour.

Aerides multiflorum Roxb., Pl. Coromandel 3: 67, t.271.1820. [Pearce & Cribb, Fl. Bhutan, 3(3): 493-495. 2002]

Habitat: Epiphytic; *Fl.* March-June.
Darjeeling (unlocalised Griffith specimen);
Darjeeling/Sikkim (Great Rangit river).

Agrostophyllum Bl.

Agrostophyllum callosum Rchb. f. in Seeman, Fl. Vit.: 296. 1868. [Pearce & Cribb, Fl. Bhutan, 3(3): 360-362. 2002]

Habitat: Epiphytic; *Fl.* (February-) April-July.
Darjeeling (Great Rangit river, Takdah).

Androcorys Schltr.

Androcorys gracilis (King & Pantling) Schltr. in Notizbl. Konigl. Bot. Gart. Berlin 7: 397. 1920. [Pearce & Cribb, Fl. Bhutan, 3(3): 122-124. 2002]

Habitat: Terrestrial; *Fl.* July.
Darjeeling (Sandakphu).

A. pugioniformis (Lindl. ex Hook. f.) K.Y. Lang in Guihaia 16(2): 105. 1996. [Pearce and Cribb, Fl. Bhutan, 3(3): 124. 2002]

Habitat: Terrestrial; *Fl.* August-September.
Darjeeling (Phalut, Sandakphu).

Ania Lindl.

Ania penangiana (Hook. f.) Summerhayes in Bot. Mag. 161: t.9553. 1939. [Pearce and Cribb, Fl. Bhutan, 3(3): 277-278. 2002]

Habitat: Terrestrial; *Fl.* February-March.
Darjeeling (Rishap).

Anoectochilus Bl.

Anoectochilus roxburghii (Wall.) Lindl., Gen. Sp. Orchid. Pl.: 499. 1840. [Pearce and Cribb, Fl. Bhutan, 3(3): 76. 2002]

Habitat: Terrestrial; *Fl.* December.
Darjeeling (Cinchona Plantation, Jaldhaka valley).

Anthogonium Wall. ex Lindl.

Anthogonium gracile Lindl., Gen. Sp. Orchid. Pl.: 426. 1840. [Pearce and Cribb, Fl. Bhutan, 3(3): 279-281. 2002]

Habitat: Terrestrial; *Fl.* June-October.
Darjeeling (Damsong Gari, Kurseong, Rimbik, Tonglu).

Aphyllorchis Bl.

Aphyllorchis alpina King & Pantling in Ann. Roy. Bot. Gard. (Calcutta) 8: 261, t.347. 1898. [Pearce and Cribb, Fl. Bhutan, 3(3): 36-37-19. 2002]

Habitat: Saprophytic; *Fl.* July-August.
Darjeeling (Budhwari to Bhotia Basti, Ramman).

A. montana Rchb. f. in Linnaea 41: 57. 1877. [Pearce and Cribb, Fl. Bhutan, 3(3): 36-37-19. 2002]

Habitat: Saprophytic; *Fl.* June-August.
Darjeeling (unlocalised Griffith specimen).

Apostasia Bl.

Apostasia wallichii R. Br. in Wall., Pl. Asiat. Rat. 1(4): 75, t.84. 1829. [Pearce and Cribb, Fl. Bhutan, 3(3): 491. 2002]

Habitat: Terrestrial; *Fl.* April.
Darjeeling (Dulkajhar, Sabargam).

Arundina Bl.

- Arundina graminifolia* (D. Don) Hochreutiner in Bull. New York Bot. Gard. 6: 270. 1910. [Pearce and Cribb, Fl. Bhutan, 3(3): 319-321. 2002]
Habitat: Terrestrial; *Fl.* January-November.
 Darjeeling (near Bara Mangua (field record), Happy Valley, Kalimpong, Sivoke).
- Bulbophyllum** Thou.
- Bulbophyllum apodum* Hook. f., Fl. Brit. India 5(2): 766. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 461. 2002]
Habitat: Epiphytic; *Fl.* May.
 Darjeeling (Sivoke).
- B. bisetum* Lindl., in Ann. Mag. Nat. Hist. 10: 186. 1842. [Pearce and Cribb, Fl. Bhutan, 3(3): 450. 2002]
Habitat: Epiphytic; *Fl.* July-October.
 Darjeeling (unlocalised Gamble specimen).
- B. careyanum* (Hook.) Sprengel, Syst. Veg. ed.16(3): 732. 1826. [Pearce and Cribb, Fl. Bhutan, 3(3): 451. 2002]
Habitat: Epiphytic; *Fl.* October-March.
 Darjeeling (10km N of Siliguri).
- B. cariniflorum* Rchb. f. in Walpers, Ann. Bot. Syst. 6: 253. 1861. [Pearce and Cribb, Fl. Bhutan, 3(3): 463. 2002]
Habitat: Epiphytic; *Fl.* July-August.
 Darjeeling (unlocalised Gamble specimen)
- B. cauliflorum* Hook. f. var. *sikkimense* N. Pearce & P.J. Cribb in Edinb. J. Bot. 58(1): 108. 2001. [Pearce and Cribb, Fl. Bhutan, 3(3): 444-446. 2002]
Habitat: Epiphytic; *Fl.* June-August.
 Darjeeling (unlocalised Griffith specimen).
- B. cylindraceum* Wall. ex Lindl., Gen. Sp. Orchid. Pl.: 53. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 458-459. 2002]
Habitat: Epiphytic; *Fl.* October.
 Darjeeling (Kurseong).
- B. elatum* (Hook. f.) J.J. Smith in Bull. Jard. Bot. Buitenzorg ser. 2. 8: 23. 1912. [Pearce and Cribb, Fl. Bhutan, 3(3): 471-472. 2002]
Habitat: Epiphytic; *Fl.* June-August.
 Darjeeling (unlocalised Gamble specimen).
- B. eublepharum* Rchb. f., in Walpers, Ann. Bot. Syst. 6: 252. 1861. [Pearce and Cribb, Fl. Bhutan, 3(3): 455. 2002]
Habitat: Epiphytic; *Fl.* July-September.
 Darjeeling (7km S of Darjeeling).
- B. guttulatum* (Hook. f.) N.P. Balakrishnan in J. Bombay Nat. Hist. Soc. 67: 66. 1970. [Pearce and Cribb, Fl. Bhutan, 3(3): 472. 2002]
Habitat: Epiphytic; *Fl.* August-September.
 Darjeeling (Kalimpong).
- B. hirtum* (J.E. Smith) Lindl., Gen. Sp. Orchid. Pl.: 51. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 463-464. 2002]
Habitat: Epiphytic; *Fl.* October-January.
 Darjeeling (Pedong, ? Rishap).
- B. khasyanum* Griff., Not. Pl. Asiat. 3: 284. 1851. [Pearce and Cribb, Fl. Bhutan, 3(3): 459-460. 2002]
Habitat: Epiphytic; *Fl.* October-January.
 Darjeeling (Labha).
- B. muscicola* Rchb. f. in Flora 55: 275. 1872. [Pearce and Cribb, Fl. Bhutan, 3(3): 472-473. 2002]
Habitat: Epiphytic; *Fl.* September.
 Darjeeling (Damsong Gari).
- B. odoratissimum* (J.E. Smith) Lindl. Gen. Sp. Orchid. Pl.: 55. 1830.
 var. *odoratissimum*; [Pearce and Cribb, Fl. Bhutan, 3(3): 447-448. 2002]
Habitat: Epiphytic; *Fl.* May-August.
 Darjeeling (Sureil).
- B. reptans* (Lindl.) Lindl., Gen. Sp. Orchid. Pl.: 51. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 452-453. 2002]
Habitat: Epiphytic; *Fl.* October-May.
 Darjeeling (Sureil).
- B. retusiusculum* Rchb. f. in Gard. Chron. 1869: 1182. 1869. [Pearce and Cribb, Fl. Bhutan, 3(3): 473-475. 2002]
Habitat: Epiphytic; *Fl.* July-August.
 Darjeeling (unlocalised Griffith and Hooker specimens).
- B. rigidum* King & Pantling in Ann. Roy. Bot. Gard. (Calcutta) 8: 69, t.94. 1898. [Pearce and Cribb, Fl. Bhutan, 3(3): 460-461. 2002]
Habitat: Epiphytic; *Fl.* May-June or July-August.
 Darjeeling (Rishap?); Darjeeling/Sikkim: Great Rangit river).
- B. rolfei* (Kuntze) Seidenfaden in Dansk Bot. Ark. 33(3): 149. 1979. [Pearce and Cribb, Fl. Bhutan, 3(3): 475. 2002]
Habitat: Epiphytic; *Fl.* August-September.
 Darjeeling (unlocalised Griffith specimen).
- B. rothschildianum* (O' Brien) J.J. Smith in Bull. Jard. Bot. Buitenzorg ser.2, 8: 27. 1972. [Pearce and Cribb, Fl. Bhutan, 3(3): 469. 2002]
Habitat: Epiphytic; *Fl.* October-November.
 Darjeeling (unlocalised specimen).
- B. sarcophylloides* Garay, Haer & Siegerist in Nordic J. Bot. 14(6): 620. 1994. [Pearce and Cribb, Fl. Bhutan, 3(3): 475-476. 2002]
Habitat: Epiphytic; *Fl.* May-June.
 Darjeeling (Sibchu?, Sivoke).

- B. thomsonii* Hook. f., Fl. Brit. India 5(2): 764. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 457. 2002]
Habitat: Epiphytic; *Fl.* June-July.
Darjeeling (Ghoom to Kurseong).
- B. tortuosum* (Bl.) Lindl., Gen. Sp. Orchid. Pl.: 50. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 444. 2002]
Habitat: Epiphytic; *Fl.* March.
Darjeeling (E of Jaldhaka river).
- B. triste* Rchb. f. in Walpers, Ann. Bot. Syst. 6: 253. 1861. [Pearce and Cribb, Fl. Bhutan, 3(3): 464-465. 2002]
Habitat: Epiphytic; *Fl.* March-June.
Darjeeling (unlocalised collection).
- B. viridiflorum* (Hook. f.) Schltr. in Orchis 4: 108. 1910. [Pearce and Cribb, Fl. Bhutan, 3(3): 465. 2002]
Habitat: Epiphytic; *Fl.* September-October.
Darjeeling (Damsong Gari).
- B. wallichii* (Lindl.) Rchb. f. in Walpers, Ann. Bot. Syst. 6: 259. 1861. [Pearce and Cribb, Fl. Bhutan, 3(3): 462-463. 2002]
Habitat: Epiphytic; *Fl.* November-December.
Darjeeling (Damsong Gari).
- B. yoksunense* J.J. Smith in Bull. Jard. Bot. Buitenzorg ser.2, 8: 29. 1912. [Pearce and Cribb, Fl. Bhutan, 3(3): 471. 2002]
Habitat: Epiphytic; *Fl.* September-October.
Darjeeling (unlocalised Griffith specimen).
- Bulleyia** Schltr.
Bulleyia yunnanensis Schltr. in Notes Roy. Bot. Gard. Edinburg 5: 108, t.82. 1912. [Pearce and Cribb, Fl. Bhutan, 3(3): 323-325. 2002]
Habitat: Epiphytic; *Fl.* June-July.
Darjeeling (on way to Sandakphu, 32km NW of Darjeeling (Kataki & Sastry, 1965)).
- Calanthe** R. Br.
Calanthe biloba Lindl., Fol. Orchid. Calanthe 6,7: 3, no.5 (1854). [Pearce and Cribb, Fl. Bhutan, 3(3): 284. 2002]
Habitat: Terrestrial; *Fl.* September-November (December).
Darjeeling (Kurseong, Mongpu, Rishap, Sureil).
- C. brevicornu* Lindl., Gen. Sp. Orchid. Pl.: 251. 1833. [Pearce and Cribb, Fl. Bhutan, 3(3): 284-285. 2002]
Habitat: Terrestrial; *Fl.* May-June.
Darjeeling (between Ghoom and Lopchu, Kalimpong, Senchal).
- C. chloroleuca* Lindl., Fol. Orchid. Calanthe 6,7: 10 no.36. 1855. [Pearce and Cribb, Fl. Bhutan, 3(3): 285-286. 2002]
Habitat: Terrestrial; *Fl.* April-May.
Darjeeling (between Bhotia Basti and Budhwari, Victoria Fall?).
- C. clavata* Lindl., Gen. Sp. Orchid. Pl. 251. 1833. [Pearce and Cribb, Fl. Bhutan, 3(3): 295. 2002]
Habitat: Terrestrial; *Fl.* October.
Darjeeling (Lebong Cantonment).
- C. densiflora* Lindl., Gen. Sp. Orchid. Pl.: 250. 1833. [Pearce and Cribb, Fl. Bhutan, 3(3): 295-296. 2002]
Habitat: Terrestrial; *Fl.* October.
Darjeeling (Dalkajhar).
- C. griffithii* Lindl. in Paxton's Fl. Gard. 3: 37. 1852-53. [Pearce and Cribb, Fl. Bhutan, 3(3): 186-287. 2002]
Habitat: Terrestrial; *Fl.* April-July.
Darjeeling (unlocalised Griffith specimen).
- C. herbacea* Lindl., Fol. Orchid. Calanthe 6,7: 10, no.34. 1855. [Pearce and Cribb, Fl. Bhutan, 3(3): 287. 2002]
Habitat: Terrestrial; *Fl.* June-August.
Darjeeling (Daling).
- C. odora* Griff. Not. Pl. Asiat. 3: 365. 1851. [Pearce and Cribb, Fl. Bhutan, 3(3): 188-289. 2002] *Habitat:* Terrestrial; *Fl.* April.
Darjeeling (Bhotia Busty).
- C. puberula* Lindl., Gen. Sp. Orchid. Pl.: 252. 1833. [Pearce and Cribb, Fl. Bhutan, 3(3): 289-290. 2002]
Habitat: Terrestrial; *Fl.* July-August.
Darjeeling (Bhotia Busty, Budhwari, 12km above Mongpu, Pankhabari, Sittong).
- C. sylvatica* (Thouars) Lindl., Gen. Sp. Orchid. Pl.: 250. 1833. [Pearce and Cribb, Fl. Bhutan, 3(3): 290-291. 2002]
Habitat: Terrestrial; *Fl.* August-September.
Darjeeling (Rimbi Chhu, Rishap).
- C. triplicata* (Willemet) Ames in Philipp. J. Sci. 2: 326. 1907. [Pearce and Cribb, Fl. Bhutan, 3(3): 293. 2002]
Habitat: Terrestrial; *Fl.* April-May.
Darjeeling (Chota Rangit river) on rocks, in dense jungle in warm valley.
- Cheirostylis** Bl.
Cheirostylis griffithii Lindl. in J. Proc. Linn. Soc., Bot. 1: 188. 1857. [Pearce and Cribb, Fl. Bhutan, 3(3): 79. 2002]
Habitat: Terrestrial; *Fl.* December.
Darjeeling (Jaldacca River, King & Pantling (1898)).
- Chiloschista** Lindl.
Chiloschista parishii Seidenfaden in Opera Bot. 95: 176, t.109. 1988. [Pearce and Cribb, Fl. Bhutan, 3(3): 503. 2002]
Habitat: Epiphytic; *Fl.* April-May(June).
Darjeeling (Mt. Ghose, Kalimpong, Nimbong).
- Chrysoglossum** Bl.
Chrysoglossum ornatum Bl., Bijdr.: 338. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 308-310. 2002]

Habitat: Terrestrial; *Fl.* May-August.

Darjeeling (Rishep).

Chusua Nevski

Chusua pauciflora (Lindl.) P.F. Hunt in Kew Bull. 26(1): 175. 1971. [Pearce and Cribb, Fl. Bhutan, 3(3): 134-136. 2002]

Habitat: Terrestrial; *Fl.* June-September.

Darjeeling/Sikkim (Sandakphu to Phalut (F.E.H.2), Singalila mountain).

Cleisostoma Bl.

Cleisostoma discolor Lindl. in Bot. Reg. 31: Misc.59, no.61. 1845. [Pearce and Cribb, Fl. Bhutan, 3(3): 508-509. 2002] *Habitat:* Epiphytic; *Fl.* July-August.

Darjeeling (unlocalised Gamble specimen).

C. filiforme (Lindl.) Garay in Bot. Mus. Leafl. 23(4): 171. 1972. [Pearce and Cribb, Fl. Bhutan, 3(3): 513-514. 2002]

Habitat: Epiphytic; *Fl.* July-August.

Darjeeling (unlocalised Griffith specimen).

C. striatum (Rchb. f.) N.E. Brown in G. W. Johnson, Suppl. Gard. Dict.: 901. 1882. [Pearce and Cribb, Fl. Bhutan, 3(3): 512. 2002]

Habitat: Epiphytic; *Fl.* June-August; *Fr.* August.

Darjeeling (Rangit).

Coelogyne Lindl.

Coelogyne barbata Lindl. ex Griff., Itin. Pl. Khasyah Mts.: 72. 1848; not. Pl. Asiat. 3: 280. 1851. [Pearce and Cribb, Fl. Bhutan, 3(3): 333-334. 2002]

Habitat: Epiphytic; *Fl.* August-February.

Darjeeling (Kalimpong (Ghose 1964)).

C. corymbosa Lindl., Fol. Orchid. Coelogyne 5: 7, no.16. 1854. [Pearce and Cribb, Fl. Bhutan, 3(3): 330. 2002]

Habitat: Epiphytic; *Fl.* February-June.

Darjeeling (Bhotia Basti to Budhwari, Bloomfield, Parmaguri, between Tonglu and Manibhanjan).

C. cristata Lindl., Coll. Bot.: sub t.33. 1821. [Pearce and Cribb, Fl. Bhutan, 3(3): 332-333. 2002]

Habitat: Epiphytic; *Fl.* February-July.

Darjeeling (Birch Hill, Dumsong, Happy Valley, near Lopchu above Peshok, near Parmaguri).

C. fimbriata Lindl. in Bot. Reg. 11: t.868. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 326-327. 2002]

Habitat: Epiphytic; *Fl.* June-November.

Darjeeling (Mongpu).

C. flaccida Lindl., Gen. Sp. Orchid. Pl.: 39. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 329. 2002]

Habitat: Epiphytic; *Fl.* February-May.

Darjeeling (N of Peshok, Sureil, Tista river).

C. fuscescens Lindl., Gen. Sp. Orchid. Pl.: 41. 1830. var. *fuscescens* [Pearce and Cribb, Fl. Bhutan, 3(3): 328-329. 2002]

Habitat: Epiphytic; *Fl.* October-December.

Darjeeling (Damsong Hills, Kurseong, Pedong).

C. nitida (Wall. ex D. Don) Lindl., Gen. Sp. Orchid. Pl.: 40. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 330-331. 2002]

Habitat: Epiphytic; *Fl.* (December-) April-June.

Darjeeling (between Bhotia Basti and Budhwari, Kurseong, Mahaldiram, Neora Valley).

C. occultata Hook. f., Fl. Brit. India 5(2): 832. 1890; icon. Pl. 22: t.2104. 1894. var. *occultata* [Pearce and Cribb, Fl. Bhutan, 3(3): 331. 2002]

Habitat: Epiphytic; *Fl.* March-July.

Darjeeling (10km S of Darjeeling).

C. ovalis Lindl. in Bot. Reg. 24: Misc.91. No.171. 1838. [Pearce and Cribb, Fl. Bhutan, 3(3): 327-328. 2002]

Habitat: Epiphytic; *Fl.* March, M.F.B.).

Darjeeling (unlocalised Cowan specimen).

C. prolifera Lindl., Gen. Sp. Orchid. Pl.: 40. 1830.

[Pearce and Cribb, Fl. Bhutan, 3(3): 335-336. 2002]

Habitat: Epiphytic; *Fl.* March-July.

Darjeeling (Tista Valley).

C. stricta (D. Don) Schltr. in Feddes Repert. Spec. Nov. Regni Veg. Beih. 4: 333-335. 1919. [Pearce and Cribb, Fl. Bhutan, 3(3): 491. 2002]

Habitat: Epiphytic; *Fl.* March-June.

Darjeeling (Tonglu).

Cremastra Lindl.

Cremastra appendiculata (D. Don) Makino in Bot. Mag. (Tokyo): 24. 1904. var. *appendiculata* [Pearce and Cribb, Fl. Bhutan, 3(3): 236-237. 2002]

Habitat: Terrestrial; *Fl.* April-May.

Darjeeling (Manibhanjan to Bhotia Basti, Parmaguri, Senchal forest).

Cryptochilus Wall.

Cryptochilus lutea Lindl. in J. Proc. Linn. Soc., Bot. 3: 21. 1858. [Pearce and Cribb, Fl. Bhutan, 3(3): 365-367. 2002]

Habitat: Epiphytic; *Fl.* June-August.

Darjeeling (Budhwari).

C. sanguinea Wall., Tent. Fl. Nepal 2: 36, t.26. 1826. [Pearce and Cribb, Fl. Bhutan, 3(3): 367. 2002]

Habitat: Epiphytic; *Fl.* June-July.

Darjeeling (Great Rangit river)

Cymbidium Sw.

Cymbidium aloifolium (L.) Sw. in Nova Acta Regiae Soc. Sci. Upsal. 6: 73. 1799. [Pearce and Cribb, Fl. Bhutan, 3(3): 259-260. 2002]

Habitat: Epiphytic; *Fl.* April-July.

Darjeeling (Tista river).

C. cochleare Lindl. in J. Proc. Linn. Soc., Bot. 3: 28. 1859. [Pearce and Cribb, Fl. Bhutan, 3(3): 265. 2002]

Habitat: Epiphytic; *Fl.* November-January.

Darjeeling (Pankhashari).

C. devonianum Lindl. ex Paxton in Paxton's Mag. Bot. 10: 97+ fig. 1843. [Pearce and Cribb, Fl. Bhutan, 3(3): 261-262. 2002]

Habitat: Epiphytic; *Fl.* April-June.

Darjeeling (Takdah)

C. eburneum Lindl. in Bot. Reg. 33: t.67. 1847. [Pearce and Cribb, Fl. Bhutan, 3(3): 264. 2002]

Habitat: Epiphytic; *Fl.* March-May.

Darjeeling (Rishap)

C. erythraeum Lindl. in J. Proc. Linn. Soc., Bot. 3: 30. 1859. [Pearce and Cribb, Fl. Bhutan, 3(3): 262. 2002]

Habitat: Epiphytic; *Fl.* August-November

Darjeeling (Damsong Gari)

C. hookerianum Rchb. f. in Gard. Chron. 1866: 7. 1866. [Pearce and Cribb, Fl. Bhutan, 3(3): 262-263. 2002]

Habitat: Epiphytic; *Fl.* February-May.

Darjeeling (Kalimpong, between Ramman and Kali khola, Sonada).

C. iridioides D. Don, Prodr. Fl. Nepal.: 36. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 263-264. 2002]

Habitat: Epiphytic; *Fl.* October-November.

Darjeeling (Damsong Gari, Kalimpong, Sureil).

C. longifolium D. Don, Prodr. Fl. Nepal.: 36. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 265-266. 2002]

Habitat: Epiphytic; *Fl.* October-December-February.

Darjeeling (Damsong Gari, Kalimpong, Mongpu, Takdah).

C. macrorhizon Lindl., Gen. Sp. Orchid. Pl.: 162. 1833. [Pearce and Cribb, Fl. Bhutan, 3(3): 270-271. 2002]

Habitat: Saprophytic; *Fl.* May-August.

Darjeeling (Kalimpong, Relli Chhu Valley). In broad-leaved Monsoon and Pine forest, in damp humus, in shade.

C. mastersii Griff. ex Lindl. in Bot. Reg. 31: t.50. 1845. [Pearce and Cribb, Fl. Bhutan, 3(3): 264-265. 2002]

Habitat: Epiphytic; *Fl.* October-December.

Darjeeling (Pankhashari). On rocks or trees in evergreen forest.

C. munronianum King & Pantling in J. Asiat. Soc. Bengal 64(3): 338. 1896. [Pearce and Cribb, Fl. Bhutan, 3(3): 267. 2002]

Habitat: Epiphytic; *Fl.* December-May.

Darjeeling (unlocalised Cowan specimen). Duars (Jaldhaka river).

Dendrobium Sw.

Dendrobium aduncum Wall. ex Lindl. in Bot. Reg. 28: Misc.58, no.62. 1842. [Pearce and Cribb, Fl. Bhutan, 3(3): 415. 2002]

Habitat: Epiphytic; *Fl.* March-August.

Darjeeling (Ramthi Valley).

D. amoenum Wall. ex Lindl., Gen. Sp. Orchid. Pl. 78. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 405-406. 2002]

Habitat: Epiphytic; *Fl.* May-June.

Darjeeling (Kalimpong, Kurseong, Sureil).

D. anceps Sw. in Kongl. Vetensk. Acad. Nya. Handl. 21: 246. 1800. [Pearce and Cribb, Fl. Bhutan, 3(3): 422. 2002]

Habitat: Epiphytic; *Fl.* April-July.

Darjeeling (Tista river).

D. aphyllum (Roxb.) C.E.C. Fischer in Gamble, Fl. Madras 3: 1416. 1928. [Pearce and Cribb, Fl. Bhutan, 3(3): 406-407. 2002]

Habitat: Epiphytic; *Fl.* March-June.

Darjeeling (Kalimpong, Kurseong, Mongpu, below Pedong, Punkhabari).

D. bicameratum Lindl. in Bot. Reg. 25: Misc.59, No.85. 1839. [Pearce and Cribb, Fl. Bhutan, 3(3): 415-416. 2002]

Habitat: Epiphytic; *Fl.* July-August.

Darjeeling (Great Rangit river, Kalimpong (Seidenfaden, 1985).

D. candidum Wall. ex Lindl. in Bot. Reg. 24: Misc.36, no.54. 1838. [Pearce and Cribb, Fl. Bhutan, 3(3): 407. 2002]

Habitat: Epiphytic; *Fl.* February-June.

Darjeeling (Ramman).

D. cathcartii Hook. f., Fl. Br. India 5(2): 727. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 423-425. 2002]

Habitat: Epiphytic; *Fl.* March-September.

Darjeeling (near Rambhi Chhu).

D. chrysanthum Wall. ex Lindl. in Bot. Reg. 15: t.1299. 1830; Gen. Sp. Orchid. Pl.: 80. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 407-408. 2002]

Habitat: Epiphytic; *Fl.* February-October.

Darjeeling, Bamanpokhri, Happy Valley, Kalimpong, Lodhoma Khola, Rishap, Rishihat, Sureil.

D. cumulatum Lindl. in Gard. Chron. 1855: 756. 1855. [Pearce and Cribb, Fl. Bhutan, 3(3): 421. 2002]

Habitat: Epiphytic; *Fl.* June-July.

Darjeeling (unlocalised Mann specimen).

D. darjeelingense Pradhan, Indian Orch.: Guide Identify. & Cult. 2: 336. 1979. [Pearce and Cribb, Fl. Bhutan, 3(3): 418-419. 2002]

Habitat: Epiphytic; *Fl.* October.

Darjeeling (Pradhan, 1979); Endemic.

D. densiflorum Lindl., Gen. Sp. Orchid. Pl.: 90. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 403. 2002]

Habitat: Epiphytic; *Fl.* April-July.

Darjeeling (Kalimpong).

- D. denudans* D. Don, Prodr. Fl. Nepal.: 34. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 419. 2002]
Habitat: Epiphytic; *Fl.* September-October.
Darjeeling (Kalimpong, Rishep).
- D. eriiflorum* Griff., Not. Pl. Asiat. 3: 316. 1851; Icon. Pl. Asiat. 3: 307. 1851. [Pearce and Cribb, Fl. Bhutan, 3(3): 419-420. 2002]
Habitat: Epiphytic; *Fl.* September-November.
Darjeeling (unlocalised Cowan and Gamble specimens).
- D. fimbriatum* Hook., Exot. Fl. 1: t.71. 1823. [Pearce and Cribb, Fl. Bhutan, 3(3): 410-411. 2002]
Habitat: Epiphytic; *Fl.* March-May.
Darjeeling (unlocalised Gamble specimen).
- D. hookerianum* Lindl. in J. Proc. Linn. Soc., Bot. 3: 8. 1859. [Pearce and Cribb, Fl. Bhutan, 3(3): 412. 2002]
Habitat: Epiphytic; *Fl.* July-October.
Darjeeling (Greet Rangit river, Surail, Takdah).
- D. longicornu* Lindl. Gen. Sp. Orchid. Pl.: 80. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 417-418. 2002]
Habitat: Epiphytic; *Fl.* August-December.
Darjeeling (Damsong Gari, Kurseong, Mongpu, Sureil).
- D. moschatum* (Buchanan-Hamilton) Sw. in Schrader, Neu. J. Bot. 1: 94. 1806. [Pearce and Cribb, Fl. Bhutan, 3(3): 412-413. 2002]
Habitat: Epiphytic; *Fl.* July-August.
Darjeeling (Great Rangit river).
- D. nobile* Lindl., Gen. Sp. Orchid. Pl.: 24. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 413. 2002]
Habitat: Epiphytic; *Fl.* March-May (-June).
Darjeeling (Punkhabari).
- D. porphyrochilum* Lindl. in Proc. Linn. Soc., Bot. 3: 18. 1858. [Pearce and Cribb, Fl. Bhutan, 3(3): 420-421. 2002]
Habitat: Epiphytic; *Fl.* May-July.
Darjeeling (Ghoom to Kurseong, Takdah).
- D. ruckeri* Lindl. in Bot. Reg. 29: t.60, Misc.25, no.38. 1843. [Pearce and Cribb, Fl. Bhutan, 3(3): 414. 2002]
Habitat: Epiphytic; *Fl.* May.
Darjeeling (Nimbong).
- D. sulcatum* Lindl. in Bot. Reg. 24: t.65. 1838. [Pearce and Cribb, Fl. Bhutan, 3(3): 405. 2002] *Habitat:* Epiphytic; *Fl.* April-July.
Darjeeling (unlocalised Gamble specimen).
- D. transparens* Wall. ex Lindl., Gen. Sp. Orchid. Pl.: 79. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 414. 2002]
Habitat: Epiphytic; *Fl.* April-May.
Darjeeling (unlocalised Griffith specimen).
- Dickasonia* L.O. Williams
- Dickasonia vernicosa* L.O. Williams in Bot. Mus. Leaf. 9: 37. 1941. [Pearce and Cribb, Fl. Bhutan, 3(3): 338-340. 2002]
Habitat: Epiphytic; *Fl.* April-June.
Darjeeling (Kalimpong (Pradhan, 1977)).
- Didymoplexis* Griff.
- Didymoplexis pallens* Griff., Fl. Br. India 5(2): 727. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 29-30. 2002]
Habitat: Terrestrial; *Fl.* April-May.
Darjeeling (12km S of Kalimpong, Sureil).
- Diglyphosa* Bl.
- Diglyphosa latifolia* Bl., Bijdr.: 337. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 310-312. 2002]
Habitat: Terrestrial; *Fl.* February-July.
Darjeeling (Chel Valley).
- Diphylax* Hook. f.
- Diphylax urceolata* (C.B. Clarke) Hook. f., Icon. Pl. 19(n.s.9): t.1865. [Pearce and Cribb, Fl. Bhutan, 3(3): 139-141. 2002]
Habitat: Terrestrial; *Fl.* September-October.
Darjeeling (Rachila).
- Diplomeris* D. Don
- Diplomeris hirsuta* (Lindl.) Lindl., Gen. Sp. Orchid. Pl.: 330. 1835. [Pearce and Cribb, Fl. Bhutan, 3(3): 142-143. 2002]
Habitat: Terrestrial; *Fl.* June-August.
Darjeeling (near Coronation Bridge, Kali Khola, Sivoke) on sandstone rocks. Terai (Siliguri).
- Epigenium* Gagnepain
- Epigenium amplum* (Lindl.) Summerhayes in Kew Bull. 12: 260. 1957. [Pearce and Cribb, Fl. Bhutan, 3(3): 429. 2002]
Habitat: Epiphytic; *Fl.* October.
Darjeeling (unlocalised Gamble specimen).
- E. fuscescens* (Griff.) Summerhayes in Kew Bull. 12: 262. 1957. [Pearce and Cribb, Fl. Bhutan, 3(3): 429-431. 2002]
Habitat: Epiphytic; *Fl.* October.
Darjeeling (Damsong Gari, Sureil).
- E. rotundatum* (Lindl.) Summerhayes in Kew Bull. 12: 264. 1957. [Pearce and Cribb, Fl. Bhutan, 3(3): 431-432. 2002]
Habitat: Epiphytic; *Fl.* April-May.
Darjeeling (Happy Valley, above Lopchu, below Batasi, Victoria Falls).
- Epipogium* S.G. Gmelin ex Borkhausen
- Epipogium roseum* (D. Don) Lindl. in J. Proc. Linn. Soc., Bot. 1: 177. 1857. [Pearce and Cribb, Fl. Bhutan, 3(3): 34-35. 2002]
Habitat: Saprophytic; *Fl.* (February-) May-July (-October).
Darjeeling (Rambi).

Eria Lindl.

Eria acervata Lindl. in J. Hort. Soc. London 6: 57. 1851. [Pearce and Cribb, Fl. Bhutan, 3(3): 379-380. 2002]

Habitat: Epiphytic; *Fl.* April-August. Darjeeling/Sikkim (Tista river valley).

E. alba Lindl., Gen. Sp. Orchid. Pl.: 67. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 380. 2002]

Habitat: Epiphytic; *Fl.* April-June.

Darjeeling (unlocalised Treutler specimen).

E. bambusifolia Lindl. in J. Proc. Linn. Soc., Bot. 3: 61. 1859. [Pearce and Cribb, Fl. Bhutan, 3(3): 379. 2002]

Habitat: Epiphytic; *Fl.* October.

Darjeeling (Rississum).

E. clausa King & Pantling in J. Asiat. Soc. Bengal 65(2): 121. 1896. [Pearce and Cribb, Fl. Bhutan, 3(3): 371-372. 2002]

Habitat: Epiphytic; *Fl.* February-May.

Darjeeling (Sittong Point).

E. coronaria (Lindl.) Rchb. f. in Walpers, Ann. Bot. Syst. 6: 271. 1864. [Pearce and Cribb, Fl. Bhutan, 3(3): 372. 2002]

Habitat: Epiphytic; *Fl.* October-January.

Darjeeling (Birch Hill, Damsong Gari, Kurseong, Sureil).

E. discolor Lindl. in J. Proc. Linn. Soc., Bot. 3: 51. 1859. [Pearce and Cribb, Fl. Bhutan, 3(3): 375. 2002]

Habitat: Epiphytic; *Fl.* February-June.

Darjeeling (Mongpu, Rangit).

E. excavata Lindl., Gen. Sp. Orchid. Pl.: 67. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 381-382. 2002]

Habitat: Epiphytic; *Fl.* May-June.

Darjeeling (Senchal).

E. graminifolia Lindl. in J. Proc. Linn. Soc., Bot 3: 54. 1859. [Pearce and Cribb, Fl. Bhutan, 3(3): 382. 2002]

Habitat: Epiphytic; *Fl.* June-August.

Darjeeling (Birch hill, Senchal, Tonglu).

E. lasiopetala (Willdenow) Ormerod in Opera Botanica 124: 22. 1995. [Pearce and Cribb, Fl. Bhutan, 3(3): 376-377. 2002]

Habitat: Epiphytic; *Fl.* February-April (-August)

Darjeeling (near Gahribans, Rayeng).

E. muscicola (Lindl.) Lindl. in J. Proc. Linn. Soc., Bot. 3: 47. 1859. var. **muscicola** [Pearce and Cribb, Fl. Bhutan, 3(3): 370-371. 2002]

Habitat: Epiphytic; *Fl.* July-August.

Darjeeling (Pedong).

E. paniculata Lindl. in Wall., Pl. Asiat. Rat. 1: 32, t.36. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 377-378. 2002]

Habitat: Epiphytic; *Fl.* January-May.

Darjeeling (unlocalised Elwes and Gamble specimens).

E. spicata (D. Don) Handel-Mazzetti, Symb. Sin. 7: 1353. 1936. [Pearce and Cribb, Fl. Bhutan, 3(3): 383-384. 2002]

Habitat: Epiphytic; *Fl.* February-August.

Darjeeling (Lebong Cantonment, Kurseong, Rangnu Khola?).

E. stricta Lindl., Coll. Bot. 8: t.41b. 1826. [Pearce and Cribb, Fl. Bhutan, 3(3): 378. 2002] *Habitat:* Epiphytic; *Fl.* November-April.

Darjeeling (Dumsong, below Kurseong).

E. vittata Lindl. in J. Proc. Linn. Soc., Bot. 3: 51. 1859. [Pearce and Cribb, Fl. Bhutan, 3(3): 374. 2002]

Habitat: Epiphytic; *Fl.* January-March.

Darjeeling (unlocalised cultivated specimen).

Erythroides Bl.

Erythroides hirsuta (Griff.) Ormerod in Seidenfaden, Contr. Orch. Fl. Thail. XIII: 12. 1997. [Pearce and Cribb, Fl. Bhutan, 3(3): 83-84. 2002]

Habitat: Terrestrial; *Fl.* March-April.

Darjeeling (above Engo).

Esmeralda Rchb. f.

Esmeralda cathcartii (Lindl.) Rchb. f., Xenia. Orchid. 2: 39. 1874. [Pearce and Cribb, Fl. Bhutan, 3(3): 517-518. 2002]

Habitat: Epiphytic; *Fl.* March-July.

Darjeeling (Damsong Gari, Labha).

E. clarkei Rchb. f. in Gard. Chron. n.s. 26: 552. 1886. [Pearce and Cribb, Fl. Bhutan, 3(3): 517-519. 2002]

Habitat: Epiphytic; *Fl.* October-December.

Darjeeling (Damsong Gari, Santuk).

Eulophia R. Br. ex Lindl.

Eulophia promensis Lindl., Gen. Sp. Orchid. Pl.: 181. 1833. [Pearce and Cribb, Fl. Bhutan, 3(3): 251. 2002]

Habitat: Terrestrial; *Fl.* August-September.

Darjeeling (Rangit reserved forest).

E. spectabilis (Dennstedt) Suresh in Regnum Veg. 119: 300. 1988. [Pearce and Cribb, Fl. Bhutan, 3(3): 253. 2002]

Habitat: Terrestrial; *Fl.* April-July.

Darjeeling (Rangit).

E. zollingeri (Rchb. f.) J.J. Smith Orch. Java: 228. 1905. [Pearce and Cribb, Fl. Bhutan, 3(3): 254. 2002]

Habitat: Terrestrial; *Fl.* May.

Darjeeling (Mongpu, Pul Bazaar, Raying reserved forest, Rayong N).

Flickingeria A.D. Hawkes

Flickingeria fugax (Rchb. f.) Seidenfaden in Dansk Bot. Ark. 34(1): 46. 1980. [Pearce and Cribb, Fl. Bhutan, 3(3): 433-434. 2002]

Habitat: Epiphytic; *Fl.* May-July.

Darjeeling (unlocalised Gamble specimens).

Galeola Lour.

Galeola falconeri Hook. f., fl. Brit. India 6(1): 88. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 64. 2002]

Habitat: Saprophytic; *Fl.* May-July.

Darjeeling (unlocalised Clarke and Gamble specimens).

G. lindleyana (Hook. f. & Thomson) Rchb. f., Xenia Orchid. 2: 78. 1862. [Pearce and Cribb, Fl. Bhutan, 3(3): 65-66. 2002]

Habitat: Saprophytic; *Fl.* June-July.

Darjeeling (Mongpu).

Gastrochilus D. Don

Gastrochilus acutifolius (Lindl.) Kuntze, Revis. Gen. Pl. 2: 661. 1891. [Pearce and Cribb, Fl. Bhutan, 3(3): 520. 2002]

Habitat: Epiphytic; *Fl.* (August-) November-December.

Darjeeling (unlocalised Griffith specimen).

G. calceolaris (Buchanan-Hamilton ex J.E. Smith) D. Don, Prodr. Fl. Nepal.: 32. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 520-521. 2002]

Habitat: Epiphytic; *Fl.* March-May.

Darjeeling (Puttabong, Takdah). (270-).

G. corymbosus A.P. Das & Chandra in J. Econ. Taxon. Bot. 12(2): 401. 1988. [Pearce and Cribb, Fl. Bhutan, 3(3): 525. 2002]

Habitat: Epiphytic; *Fl.* October.

Darjeeling (Jalaphar).

G. dasypogon (J.E. Smith) Kuntze, Revis. Gen. Pl.: 661. 1891. [Pearce and Cribb, Fl. Bhutan, 3(3): 521. 2002]

Habitat: Epiphytic; *Fl.* October-November.

Darjeeling (unlocalised Cowan specimen).

G. distichus (Lindl.) Kuntze, Revis. Gen. pl. 2: 661. 1891. [Pearce and Cribb, Fl. Bhutan, 3(3): 525-526. 2002]

Habitat: Epiphytic; *Fl.* March-May

Darjeeling (Damsong Gari forest, between Ramman and Kalikhola, Senchal).

G. inconspicuus (Hook. f.) Kuntze, Revis. Gen. Pl. 2: 661. 1891. [Pearce and Cribb, Fl. Bhutan, 3(3): 521-523. 2002]

Habitat: Epiphytic; *Fl.* June-July.

Darjeeling (between Sivoke and Bara Mangwa).

G. obliquus (Lindl.) Kuntze, Revis. Gen. Pl. 2: 661. 1891.

var. *obliquus*; [Pearce and Cribb, Fl. Bhutan, 3(3): 524. 2002]

Habitat: Epiphytic; *Fl.* October-December.

Darjeeling (Mongpu, Raying reserved forest, between Sivoke and Bara Mangwa).

G. pseudodistichus (King & Pantling) Schltr. in Feddes Repert. Spec. Nov. Regni Veg. 12: 315. 1913. [Pearce and Cribb, Fl. Bhutan, 3(3): 526. 2002]

Habitat: Epiphytic; *Fl.* August-October.

Darjeeling (Senchal).

Gastrodia R. Br.

Gastrodia dyeriana King & Pantling in J. Asiat. Soc. Bengal 64(3): 342. 1896. [Pearce and Cribb, Fl. Bhutan, 3(3): 31-32. 2002]

Habitat: Terrestrial; *Fl.* August.

Darjeeling (Budhwari).

Geodorum Jackson

Geodorum densiflorum (Lamarck) Schltr. in Feddes Repert. Sp. Nov. Regni Veg. Beih. 4: 259. 1919. [Pearce and Cribb, Fl. Bhutan, 3(3): 255-257. 2002]

Habitat: Terrestrial; *Fl.* April-July.

Darjeeling (10km S of Kalimpong, Tista river, near the Coronation Bridge).

Goodyera R. Br.

Goodyera foliosa (Lindl.) Bentham ex C.B. Clarke in J. Linn. Soc., Bot. 25: 73. 1889. [Pearce and Cribb, Fl. Bhutan, 3(3): 90. 2002]

Habitat: Terrestrial; *Fl.* September-November.

Darjeeling (Baghdogra, Labha, Senchal, Tonglu).

G. hemsleyana King & Pantling in J. Asiat. Soc. Bengal 64(3): 342. 1896. [Pearce and Cribb, Fl. Bhutan, 3(3): 91. 2002]

Habitat: Terrestrial; *Fl.* July-August (-September)

Darjeeling (Budhwari, Senchal). In *Quercus lamellose* forest.

G. hispida Lindl. in J. Linn. Soc., Bot. 1: 183. 1857.

[Pearce and Cribb, Fl. Bhutan, 3(3): 91-92. 2002]

Habitat: Terrestrial; *Fl.* September.

Darjeeling (Kala jhora, Tista River Valley).

G. procera (Ker Gawler) Hook., Exot. Fl. 1(3): t.39. 1823. [Pearce and Cribb, Fl. Bhutan, 3(3): 92. 2002]

Habitat: Terrestrial; *Fl.* March-May.

Darjeeling (dalkajhar, happy valley, above labha, rishep).

G. schlechtendaliana Rchb. f. in Linnaea 22: 861. 1849. [Pearce and Cribb, Fl. Bhutan, 3(3): 94. 2002]

Habitat: Terrestrial; *Fl.* August-September.

Darjeeling (Labha, Senchal).

Gymnadenia R. Br.

Gymnadenia orchidis Lindl., Gen. Sp. Orchid. Pl.: 278. 1835. var. *orchidis* [Pearce and Cribb, Fl. Bhutan, 3(3): 144-145. 2002]

Habitat: Terrestrial; *Fl.* June-September.

Darjeeling (Sandakphu).

Habenaria Willdenow

Habenaria arietina Hook. f., Fl. Brit. India 6(1): 138. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 147-148. 2002]

Habitat: Terrestrial; *Fl.* July-August.

Darjeeling (Bhotia Basti, Birch Road, Budhwari, Church Hill, Ghoom, Lopchu, Manebhanjang, Phalut, Rammam, Rimbik, Senchal, Takdah, Tonglu).

H. dentata (Sw.) Schltr. in Feddes Repert. Spec. nov. Regni Veg. Beih. 4: 125. 1919. [Pearce and Cribb, Fl. Bhutan, 3(3): 148-149. 2002]

Habitat: Terrestrial; *Fl.* September-October.

Darjeeling (Kurseong, Mongpu, Simsibong, SW of Pul Bazar, NE of Siligori, Takdah).

H. furcifera Lindl., Gen. Sp. Orchid. Pl.: 319. 1835. [Pearce and Cribb, Fl. Bhutan, 3(3): 149. 2002]

Habitat: Terrestrial; *Fl.* July-August.

Darjeeling (Gareednura, near Lohagarhi, Mim).

H. malleifera Hook. f., Fl. Brit. India 6(1): 143. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 149-150. 2002]

Habitat: Terrestrial; *Fl.* August-September.

Darjeeling (Sitong, Sonada, Sureil).

H. pantlingiana Kranzlin, Orchid. Gen. Sp. 1: 892. 1901. [Pearce and Cribb, Fl. Bhutan, 3(3): 151. 2002]

Habitat: Terrestrial; *Fl.* July-August.

Darjeeling (unlocalised Gamble specimen).

H. stenopetala Lindl., Gen. Sp. Orchid. Pl.: 319. 1835. [Pearce and Cribb, Fl. Bhutan, 3(3): 153. 2002]

Habitat: Terrestrial; *Fl.* August-October.

Darjeeling (Mongpu, Sureil).

Herminium R. Br.

Herminium jaffreyanum King & Pantling in J. Asiat. Soc. Bengal 65(2): 130. 1896. [Pearce and Cribb, Fl. Bhutan, 3(3): 161. 2002]

Habitat: Terrestrial; *Fl.* August.

Darjeeling (Senchal).

H. kalimpongense Pradhan, Indian Orch.: Guide Identify. Cult. 2: 680. 1979. [Pearce and Cribb, Fl. Bhutan, 3(3): 162. 2002]

Habitat: Terrestrial; *Fl.* August.

Darjeeling (Kalimpong).

H. lanceum (Thunberg ex Sw.) Vuijk in Blumea 11(1): 228. 1961. [Pearce and Cribb, Fl. Bhutan, 3(3): 162-163. 2002]

Habitat: Terrestrial; *Fl.* July-October.

Darjeeling (Batasi, Budhwari, Kurseong, Manibhanjan, Mungpu to Senchal, Phalut, Rambli, Ramman, Rimbik, Senchal).

H. macrophyllum (D. Don) Dandy in J. Bot. 70: 328. 1932. [Pearce and Cribb, Fl. Bhutan, 3(3): 164. 2002]

Habitat: Terrestrial; *Fl.* June-August; *Fr.* August.

Darjeeling (Phalut, Ramman, Sandakphu, Singalila).

H. orbiculare Hook. f., Fl. Brit. India 6(1): 130. 1890; Icon. Pl. 22: t.2199b. 1894. [Pearce and Cribb, Fl. Bhutan, 3(3): 165-167. 2002]

Habitat: Terrestrial; *Fl.* July-September.

Darjeeling (Singalila).

Herpysma Lindl.

Herpysma longicaulis Lindl. Gen. Sp. Orchid. Pl.: 506. 1840. [Pearce and Cribb, Fl. Bhutan, 3(3): 95-97. 2002]

Habitat: Terrestrial; *Fl.* September-November.

Darjeeling (Rishap).

Hetaeria Bl.

Hetaeria affinis (Griff.) Seidenfaden & Ormerod in Oasis, Suppl. 2:9. 2001. [Pearce and Cribb, Fl. Bhutan, 3(3): 97-99. 2002]

Habitat: Terrestrial; *Fl.* January-February.

Darjeeling (Rangit).

Ione Lindl.

Ione andersonii King & Pantling in Ann. Roy. Bot. Gard. (Calcutta) 8: 159, t.217. 481.1898. [Pearce and Cribb, Fl. Bhutan, 3(3): 491. 2002]

Habitat: Epiphytic; *Fl.* April.

Darjeeling (Buxa (King & Pantling, 1898)).

I. bicolor (Lindl.) Lindl. Fol. Orchid. Ione 2: 3, no.6. 1853. [Pearce and Cribb, Fl. Bhutan, 3(3): 481-483. 2002]

Habitat: Epiphytic; *Fl.* October-December.

Darjeeling (Damsong Gari, Lathi, Takdah).

I. cirrhata Lindl. Fol. Orchid. Ione 2: 1, no.1. 1853. [Pearce and Cribb, Fl. Bhutan, 3(3): 483-484. 2002]

Habitat: Epiphytic; *Fl.* October-November.

Darjeeling (Damsong Gari, Kurseong).

Liparis L.C. Richard

Liparis bootanensis Griff., Itin. Pl. Khasyah Mts.: 98. 1848; not. Pl. Asiat. 3: 278. 1851. [Pearce and Cribb, Fl. Bhutan, 3(3): 204. 2002]

Habitat: Epiphytic; *Fl.* June-August.

Darjeeling (on road from Darjeeling to Rambli; unlocalised Gamble specimens).

L. cathartii Hook. f., Icon. Pl. ser.3(19): t.1808. 1889. Fl. Brit. India 5(2): 694. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 198. 2002]

Habitat: Terrestrial; *Fl.* April-July.

Darjeeling (Sandakphu, Tonglu).

L. cespitosa (Lamarck) Lindl., in Bot. Reg. 11: sub t.882. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 204-206. 2002]

Habitat: Epiphytic; *Fl.* July-October.

Darjeeling (Bhotia Basti to Manibhanjan, Rangit, Sittong).

L. deflexa Hook. f., Fl. Brit. India 5(2): 697. 1890; Icon. Pl. ser.4(21): t.2008. 1892. [Pearce and Cribb, Fl. Bhutan, 3(3): 198-199. 2002]

Habitat: Terrestrial; *Fl.* July.

Darjeeling (1km S of Kalimpong).

L. delicatula Hook. f., Icon. Pl. ser.3(19): t.1889. 1889; Fl. Brit. India 5(2): 705. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 206. 2002]

Habitat: Epiphytic; *Fl.* June.

Darjeeling (Pankhabari).

L. gamblei Hook. f., Icon. Pl. ser.3(19): t.1821. 1889. [Pearce and Cribb, Fl. Bhutan, 3(3): 199. 2002]

Habitat: Epiphytic; *Fl.* June-July.

Darjeeling (Rungirun, Senchal, Takdah).

L. nervosa (Thunberg) Lindl., Gen. Sp. Orchid. Pl.: 26. 1830. var. *nervosa* [Pearce and Cribb, Fl. Bhutan, 3(3): 200. 2002]

Habitat: Terrestrial; *Fl.* May-August.

Darjeeling (unlocalised Griffith collection).

L. nervosa (Thunberg) Lindl., Gen. Sp. Orchid. Pl.: 26. 1830. var. *khasiana* (Hook. f.) P.K. Sarkar. [Pearce and Cribb, Fl. Bhutan, 3(3): 200-101. 2002]

Habitat: Terrestrial; *Fl.* July-September.

Darjeeling (Birch Hill (Das & Dorjay, 1992)). In open places among grass.

L. perpusilla Hook. f., Icon. Pl. ser.3(19): t.1856B. 1889; Fl. Brit. India 5(2): 706. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 208. 2002]

Habitat: Terrestrial; *Fl.* July-August.

Darjeeling (Sandakphu to Tonglu, Senchal).

L. petiolata (D. Don) P.F. Hunt & Summerhayes in Kew Bull. 20: 52. 1966. [Pearce and Cribb, Fl. Bhutan, 3(3): 202. 2002]

Habitat: Terrestrial; *Fl.* May-July.

Darjeeling (Ghoom (F.E.H.2), unlocalised Cowan and Griffith specimens).

L. plantaginea Lindl., Gen. Sp. Orchid. Pl.: 29. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 208-209. 2002]

Habitat: Epiphytic; *Fl.* June-September.

Darjeeling (Ryang, Selim).

L. resupinata Ridley in J. Linn. Soc., Bot. 22: 290. 1886. [Pearce and Cribb, Fl. Bhutan, 3(3): 209-210. 2002]

Habitat: Epiphytic; *Fl.* October-March; *Fr.* May.

Darjeeling (Damsong Gari, Munsang).

L. tigerhillensis A.P. Das & Chandra in J. Econ. Taxon. Bot. 12(2): 403. 1988. [Pearce and Cribb, Fl. Bhutan, 3(3): 203. 2002]

Habitat: Terrestrial; *Fl.* July.

Darjeeling (Tiger Hill).

L. viridiflora (Bl.) Lindl. Gen. Sp. Orchid. Pl.: 31. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 211-212. 2002]

Habitat: Epiphytic; *Fl.* October-November.

Darjeeling (Chota Rangit river, Damsong Gari, Kurseong)

Listera R. Br.

Listera pinetorum Lindl. in J. Proc. Linn. Soc., Bot. 1: 175. 1857. [Pearce and Cribb, Fl. Bhutan, 3(3): 491. 2002]

Habitat: Terrestrial; *Fl.* June-July (-August).

Darjeeling (Phalut to Ramam).

Luisia Gaudichaud

Luisia trichorrhiza (Hook.) Bl. Rumphia 4: 50. 1849. [Pearce and Cribb, Fl. Bhutan, 3(3): 528-529. 2002]

Habitat: Epiphytic; *Fl.* March-May (-July).

Darjeeling (unlocalised Gamble specimen).

L. zeylanica Lindl., Fol. Orchid. Luisia 4: 3, no.7. 1853. [Pearce and Cribb, Fl. Bhutan, 3(3): 529-530. 2002]

Habitat: Epiphytic; *Fl.* April-May.

Darjeeling (unlocalised Hara *et al.* specimen).

Malaxis Solander ex Sw.

Malaxis acuminata D. Don, Prodr. Fl. Nepal.: 29. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 213-214. 2002]

Habitat: Terrestrial; *Fl.* June-August.

Darjeeling (near Badamtam, E. Birch Hill Road, Kalimpong, 1km S of Lebong Cantonment, Observatory Hill, Senchal, Sureil, Takdah?).

M. josephiana (Rchb. f.) Kuntze, Revis. Gen. Pl. 2: 673. 1891. [Pearce and Cribb, Fl. Bhutan, 3(3): 215-216. 2002]

Habitat: Terrestrial; *Fl.* May.

Darjeeling (Kurseong, Pankhabari).

M. khasiana (Hook. f.) Kuntze, Revis. Gen. Pl. 2: 673. 1891. [Pearce and Cribb, Fl. Bhutan, 3(3): 216. 2002]

Habitat: Terrestrial; *Fl.* July-August.

Darjeeling (Rishap).

M. maximowicziana (King & Pentling) T. Tang & F.T. Wang in Acta Phytotax. Sin. 1: 72. 1951. [Pearce and Cribb, Fl. Bhutan, 3(3): 216. 2002]

Habitat: Terrestrial; *Fl.* July.

Darjeeling (Mongpu Cinchona Plantation).

M. muscifera (Lindl.) Kuntze, Revis. Gen. Pl. 2: 673. 1891. [Pearce and Cribb, Fl. Bhutan, 3(3): 218-220. 2002]

Habitat: Terrestrial; *Fl.* June-August.

Darjeeling (Kalipokhri, Manibhanjan to Sandakphu, Tiger Hill Mountain, Tonglu).

M. ophrydis (Konig) Ormerod, Descript. Epidend. Konig 1791: 18 (1995). [Pearce and Cribb, Fl. Bhutan, 3(3): 220. 2002]

Habitat: Terrestrial; *Fl.* May-August; *Fr.* October.

Darjeeling (Dalkajhar, 12km S of Kalimpong).

M. purpurea (Lindl.) Kuntze, Revis. Gen. Pl. 2: 673. 1891. [Pearce and Cribb, Fl. Bhutan, 3(3): 216-217. 2002]

Habitat: Terrestrial; *Fl.* June-August.

Darjeeling (unlocalised Cowan specimen).

Mischobulbum Schltr.

Mischobulbum megalanthum T. Tang & F. T. Wang in Acta Phytotax. Sin. 1: 76. 1951. Pearce and Cribb, Fl. Bhutan, 3(3): 312-314. 2002]

Habitat: Terrestrial; *Fl.* March.

Darjeeling (Sivoke).

Myrmechis (Lindl.) Bl.

Myrmechis pumila (Hook. f.) T. Tang & F.T. Wang in Acta Phytotax. sin. 1(1): 69. 1951. [Pearce and Cribb, Fl. Bhutan, 3(3): 100-101. 2002]

Habitat: Terrestrial; *Fl.* July-September.

Darjeeling (Sureil).

Nephelaphyllum Bl.

Nephelaphyllum cordifolium (Lindl.) Bl. Fl. Javae Nov. ser. 1: t.61.3. 1858. [Pearce and Cribb, Fl. Bhutan, 3(3): 314-315. 2002]

Habitat: Terrestrial; *Fl.* June.

Darjeeling (Labha).

N. pulchrum Bl. Bijdr.: 373, t.36. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 314-316. 2002]

var. **sikkimensis** Hook. f., Fl. Brit. India 5(2): 819. 1890.

Habitat: Terrestrial; *Fl.* June-August.

Darjeeling (unlocalised Pantling specimen and icon at Kew).

Nervilia Commerson ex Gaudichaud

Nervilia gammieana (Hook. f.) Schltr. in Bot. Jahrb. Syst. 45: 404. 1911. [Pearce and Cribb, Fl. Bhutan, 3(3): 62-63. 2002]

Habitat: Terrestrial; *Fl.* April-June.

Darjeeling (Rangit river, Kurseong).

Oberonia Lindl.

Oberonia acaulis Griff., Itin. Pl. Khasyah Mts.: 76. 1848. [Pearce and Cribb, Fl. Bhutan, 3(3): 222-223. 2002]

Habitat: Epiphytic; *Fl.* October-December.

Darjeeling (Sureil, Takdah).

O. caulescens Lindl., Fol. Orchid. Oberonia 2: 7, no.39. 1859. [Pearce and Cribb, Fl. Bhutan, 3(3): 223-224. 2002]

Habitat: Epiphytic; *Fl.* March-September.

Darjeeling (Rangli Rangliot, Sureil).

O. ensiformis (J.E. Smith) Lindl., Fol. Orchid. Oberonia 8: 4, no.21. 1859. [Pearce and Cribb, Fl. Bhutan, 3(3): 224. 2002]

Habitat: Epiphytic; *Fl.* October.

Darjeeling (unlocalised Griffith specimen).

O. falcata King & Pantling in J. Asiat. Soc. Bengal 64(3): 329. 1896. [Pearce and Cribb, Fl. Bhutan, 3(3): 229-230. 2002]

Habitat: Epiphytic; *Fl.* July-October.

Darjeeling (Labha).

O. mucronata (D. Don) Ormerod & Seidenfaden in Seidenfaden, Contrib. Orch. Flora Thailand XIII: 20. 1997. [Pearce and Cribb, Fl. Bhutan, 3(3): 225-226. 2002]

Habitat: Epiphytic; *Fl.* October.

Darjeeling (unlocalised Clarke and Griffith specimens).

O. pachyrachis Rchb. f. ex Hook. f., Fl. Brit. India 5(2): 681. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 226. 2002]

Habitat: Epiphytic; *Fl.* November-March.

Darjeeling (dumsong, above Ambyok, Pankhabari).

O. recurva Lindl. in Bot. Reg. 25: misc. 14, no.8. 1839. [Pearce and Cribb, Fl. Bhutan, 3(3): 232. 2002]

Habitat: Epiphytic; *Fl.* October-February.

Darjeeling (Gorubathan).

Odontochilus Bl.

Odontochilus clarkei Hook. f., Fl. Brit. India 6(1): 100. 1890; Icon. Pl. 22: t.2168. 1894. [Pearce and Cribb, Fl. Bhutan, 3(3): 102. 2002]

Habitat: Terrestrial; *Fl.* and *Fr.* August.

Darjeeling (Mongpu).

O. crispus (Lindl.) Hook. f. Fl. Brit. India 6(1): 99. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 103-104. 2002]

Habitat: Terrestrial; *Fl.* (March-) August-October.

Darjeeling (Mahaldiram mountain, Mongpu).

O. elwesii C.B Clarke ex Hook. f., Fl. Brit. India 6(1): 100. 1890; Icon. Pl. t.2167. 1894. [Pearce and Cribb, Fl. Bhutan, 3(3): 103-105. 2002]

Habitat: Terrestrial; *Fl.* July-August.

Darjeeling (Rishap).

O. lanceolatus (Lindl.) Bl., Coll. Orchid.: 80, t.29. 1858. [Pearce and Cribb, Fl. Bhutan, 3(3): 105-106. 2002]

Habitat: Terrestrial; *Fl.* August-September.

Darjeeling (Rishap, Sitong).

Oreorchis Lindl.

Oreorchis micrantha Lindl. in J. Proc. Linn. Soc., Bot. 3: 27. 1859. [Pearce and Cribb, Fl. Bhutan, 3(3): 241-242. 2002]

Habitat: Terrestrial; *Fl.* June-July.

Darjeeling (Sandakphu to Tonglu, below Tiger Hill Summit).

Ornithochilus (Lindl.) Benth

Ornithochilus difformis (Wall. ex Lindl.) Schltr. in Feddes Repert. Spec. nov. Regni Veg. Beih. 4: 277. 1919. [Pearce and Cribb, Fl. Bhutan, 3(3): 534-535. 2002]

Habitat: Epiphytic; *Fl.* June-July.

Darjeeling (Mongpu); Darjeeling/ Sikkim (Great Rangit river).

Otochilus Lindl.

Otochilus albus Lindl., Gen. Sp. Orchid. Pl.: 35. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 342. 2002]

Habitat: Epiphytic; *Fl.* June-July.

Darjeeling: (Badanhan, Birik, Kurseong).

O. fuscus Lindl., Gen. Sp. Orchid. Pl.: 35. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 342-343. 2002]

Habitat: Epiphytic; *Fl.* November-June.

Darjeeling (Dumsong).

O. lancilabius Seidenfaden in Bot. Tidsskr. 71: 13, t.11. 1976; Opera Bot. 89: 94. 1986. [Pearce and Cribb, Fl. Bhutan, 3(3): 343-345. 2002]

Habitat: Epiphytic; *Fl.* October-April.

Darjeeling (Damsong Gari, Sureil, Victoria falls).

Panisea (Lindl.) Steudel

Panisea demissa (D. Don) Pfitzer in Engler, Pflanzenr. (IV.50) Coelog.: 141, t.49. 1907. [Pearce and Cribb, Fl. Bhutan, 3(3): 345-347. 2002]

Habitat: Epiphytic; *Fl.* October-November (-March).

Darjeeling (Mongpu).

Paphiopedilum Pfitzer

Paphiopedilum venustum (Wall.) Pfitzer ex Stein, Orchid.-Buch: 489. 1892. [Pearce and Cribb, Fl. Bhutan, 3(3): 28. 2002]

Habitat: Terrestrial; *Fl.* March-May.

Darjeeling (Ghosh?).

Papilionanthe Schltr.

Papilionanthe teres (Roxb.) Schltr. in Orchis 9: 78, t.12. 1915. [Pearce and Cribb, Fl. Bhutan, 3(3): 536-538. 2002]

Habitat: Epiphytic; *Fl.* May-July.

Darjeeling (unlocalised Gamble specimen).

P. uniflora (Lindl.) Garay in Bot. Mus. Leafl. 23(10): 372. 1974. [Pearce and Cribb, Fl. Bhutan, 3(3): 537. 2002]

Habitat: Epiphytic; *Fl.* July-October.

Darjeeling (Damsong Gari).

Pecteilis Rafinesque

Pecteilis susannae (L.) Rafinesque, Fl. Tellur. 2: 38, no.125. 1836. [Pearce and Cribb, Fl. Bhutan, 3(3): 173. 2002]

Habitat: Terrestrial; *Fl.* August-September.

Darjeeling (Chota Rangit River (Ghose, 1964)).

Peristylus Bl.

Peristylus constrictus (Lindl.) Lindl. Gen. Sp. Orchid. Pl.: 300. 1835. [Pearce and Cribb, Fl. Bhutan, 3(3): 175. 2002]

Habitat: Terrestrial; *Fl.* June-August.

Darjeeling (Kalimpong, Senchal, Sivoke).

P. elizabethae (Duthie) R.K. Gupta, Fl. Nainital.: 351. 1968. [Pearce and Cribb, Fl. Bhutan, 3(3): 176-177. 2002]

Habitat: Terrestrial; *Fl.* July-August.

Darjeeling (Phalut to Ramman).

P. goodyeroides (D. Don) Lindl., Gen. Sp. Orchid. Pl.: 299. 1835. [Pearce and Cribb, Fl. Bhutan, 3(3): 178. 2002]

Habitat: Terrestrial; *Fl.* June-July.

Darjeeling (Kalimpong, Nagri).

P. hamiltonianus Lindl., Gen. Sp. Orchid. Pl.: 299. 1833. [Pearce and Cribb, Fl. Bhutan, 3(3): 178-179. 2002]

Habitat: Terrestrial; *Fl.* August.

Darjeeling (unlocalised Griffith specimen).

P. lacertiferus (Lindl.) J.J. Smith in Bull. Jard. Bot. Bhitenzorg ser.3, 9: 23. 1927. [Pearce and Cribb, Fl. Bhutan, 3(3): 179. 2002]

Habitat: Terrestrial; *Fl.* September.

Darjeeling (Sivoke).

P. nematocaulon (Hook. f.) M.L. Banerji & P. Pradhan Orchid. Nepal Himalaya: 106. 1984. [Pearce and Cribb, Fl. Bhutan, 3(3): 179-180. 2002]

Habitat: Terrestrial; *Fl.* June-August.

Darjeeling (Phalut, Ramman, Sandakphu, Tonglu to Sandakphu).

P. parishii Rchb. f., Linn. Soc. London 30: 139. 1874. [Pearce and Cribb, Fl. Bhutan, 3(3): 180. 2002]

Habitat: Terrestrial; *Fl.* June-July.

Darjeeling (Sivoke).

P. prainii (Hook. f.) Kranzlin, Orchid. Gen. Sp.: 514. 1901. [Pearce and Cribb, Fl. Bhutan, 3(3): 181. 2002]

Habitat: Terrestrial; *Fl.* July.

Darjeeling (Mungpo).

P. tipuliferus (Parish & Rchb. f.) Mukerjee in notes Roy. Bot. Gard. Edinburgh 21: 158. 1953. [Pearce and Cribb, Fl. Bhutan, 3(3): 182. 2002]

Habitat: Terrestrial; *Fl.* May-July.

Darjeeling (Pasting).

Phaius Lour.

Phaius flavus (Bl.) Lindl., Gen. Sp. Orchid. Pl.: 128. 1831. [Pearce and Cribb, Fl. Bhutan, 3(3): 303-304. 2002]

Habitat: Terrestrial; *Fl.* (November-), January-May.

Darjeeling (Badamtam, below Lebung, Peshok Tea Garden, Rangit Valley).

P. mishmensis (Lindl. & Paxton) Rchb. f. in Bonplandia 5: 43. 1857. [Pearce and Cribb, Fl. Bhutan, 3(3): 303. 2002]

Habitat: Terrestrial; *Fl.* October-January.

Darjeeling (Rishep, near Tista river).

P. nanus Hook. f., Fl. Brit. India 6(1): 192. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 305. 2002]

Habitat: Terrestrial; *Fl.* February.

Darjeeling (Naksalbari).

Phalaenopsis Bl.

Phalaenopsis braceana (Hook. f.) E.A. Christenson in Selbyana 9: 169. 1986. [Pearce and Cribb, Fl. Bhutan, 3(3): 541. 2002]

Habitat: Epiphytic; Darjeeling (unlocalised Gamble's collector specimen).

P. deliciosa Rchb. f. in Bonplandia 2: 93. 1854. [Pearce and Cribb, Fl. Bhutan, 3(3): 540-541. 2002]

Habitat: Epiphytic; *Fl.* July-August.

Darjeeling (Ghose Nursery).

P. lobbii (Rchb. f.) H.R. Sweet, genus Phalaenopsis: 53. 1980. [Pearce and Cribb, Fl. Bhutan, 3(3): 542. 2002]

Habitat: Epiphytic; *Fl.* and *Fr.* May.

Darjeeling (unlocalised Mann specimen).

P. taenialis (Lindl.) E.A. Christenson & Pradhan in Selbyana 9: 168. 1986. [Pearce and Cribb, Fl. Bhutan, 3(3): 541-542. 2002]

Habitat: Epiphytic; *Fl.* April-May.

Darjeeling (Lopchu Tea Garden).

Pholidota Lindl. ex Hook.

Pholidota articulata Lindl. Gen. Sp. Orchid. Pl.: 38. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 349-350. 2002]

Habitat: Epiphytic; *Fl.* April-September; *Fr.* June-October.

Darjeeling (Kalimpong, Tista river Valley).

P. imbricata Hook., Exot. Fl. 2: t.138. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 352-353. 2002]

Habitat: Epiphytic; *Fl.* March-July (Throughout the year).

Darjeeling (Sivoke).

P. pallida Lindl. in Bot. Reg. 21: sub t.1777. 1835.

[Pearce and Cribb, Fl. Bhutan, 3(3): 353. 2002]

Habitat: Epiphytic; *Fl.* May-August.

Darjeeling (Kurseong).

P. protracta Hook. f., Icon. Pl.: ser,3, 19: t.1877. 1889.

[Pearce and Cribb, Fl. Bhutan, 3(3): 352. 2002]

Habitat: Epiphytic; *Fl.* October-November.

Darjeeling (unlocalised Gamble and Griffith specimens).

P. recurva Lindl., Gen. Sp. Orchid. Pl.: 37. 1830.

[Pearce and Cribb, Fl. Bhutan, 3(3): 351. 2002]

Habitat: Epiphytic; *Fl.* August-September.

Darjeeling (Lebong).

P. rubra Lindl., Gen. Sp. Orchid. Pl.: 37. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 351. 2002]

Habitat: Epiphytic; *Fl.* October-February.

Darjeeling (Munsang).

Phreatia Lindl.

Phreatia elegans Lindl., Gen. Sp. Orchid. Pl.: 63. 1830. [Pearce and Cribb, Fl. Bhutan, 3(3): 395-397. 2002]

Habitat: Epiphytic; *Fl.* August-September.

Darjeeling (Labha).

Platanthera L.C. Richard

Platanthera bakeriana (King & Pantling) Kranzlin, Orchid. Gen. Sp. 1: 632. 1898. [Pearce and Cribb, Fl. Bhutan, 3(3): 185. 2002]

Habitat: Terrestrial; *Fl.* June-July.

Darjeeling (Tonglu).

P. biermanniana (King & Pantling) Kranzlin, Orchid. Gen. Sp. 1: 636. 1898. [Pearce and Cribb, Fl. Bhutan, 3(3): 186. 2002]

Habitat: Terrestrial; *Fl.* July-August.

Darjeeling (Senchal (King & Pantling, 1898), Singalila Range) in *Rhododendron* forest.

P. clavigera Lindl., Gen. Sp. Orchid. Pl.: 289. 1835.

[Pearce and Cribb, Fl. Bhutan, 3(3): 186-187. 2002]

Habitat: Terrestrial; *Fl.* July-October.

Darjeeling (Manaybhanjan, below Observatory Hill, Rimbik to Budhwari).

P. edgeworthii (Hook. f. ex Collett) R.K. Gupta, Fl. Nainitalensis: 349. 1968. [Pearce and Cribb, Fl. Bhutan, 3(3): 187-189. 2002]

Habitat: Terrestrial; *Fl.* June-September.

Darjeeling (Birch Hill road, Ghoom, N of Manibhanjan, Peshok, between Phalut and Sandakphu).

P. exelliana Soo in Ann. Hist.-Nat. Mus. Natl. Hung. 26: 359. 1929. [Pearce and Cribb, Fl. Bhutan, 3(3): 189. 2002]

Habitat: Terrestrial; *Fl.* June-September.

Darjeeling (Phalut).

P. latilabris Lindl. Gen. Sp. Orchid. Pl.: 289. 1835.

[Pearce and Cribb, Fl. Bhutan, 3(3): 190. 2002]

Habitat: Terrestrial; *Fl.* July-September.

Darjeeling (unlocalised Drummond collection).

P. leptocaulon (Hook. f.) Soo in Ann. Hist. Nat. Mus. Natl. Hung. 26: 360. 1929. [Pearce and Cribb, Fl. Bhutan, 3(3): 190-191. 2002]

Habitat: Terrestrial; *Fl.* July-August.

Darjeeling (Tonglu).

P. sikkimensis (Hook. f.) Kranzlin Orchid. Gen. Sp. 1: 621. 1898. [Pearce and Cribb, Fl. Bhutan, 3(3): 191-192. 2002]

Habitat: Terrestrial; *Fl.* July-August.

Darjeeling (Senchal, Tonglu) on *Rhododendron* in *Abies/Rhododendron* forest.

P. stenantha (Hook. f.) Soo in Ann. Hist. Nat. Mus. Natl. Hung. 26: 363. 1925.

Habitat: Terrestrial; *Fl.* July-October.

Darjeeling (Bhotia Busty, Budhwari, Chota Rangit, Tonglu). [Pearce and Cribb, Fl. Bhutan, 3(3): 491. 2002]

Pleione D. Don

Pleione hookeriana (Lindl.) B.S. Williams, Orch.-Grow. Man. Ed.6: 548. 1885. [Pearce and Cribb, Fl. Bhutan, 3(3): 355-356. 2002]

Habitat: Epiphytic; *Fl.* May-July.

Darjeeling (Kalpokhri, Phalut, near Manibhanjan (field record), Senchal, Sandakphu, Tonglu).

P. humilis (J.E. Smith) D. Don, Prodr. Fl. Nepal.: 37. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 357. 2002]

Habitat: Epiphytic; *Fl.* January-March.

Darjeeling (4km N of Manibhanjan (field record), Rungbool?, Senchal, Sonada).

P. maculata (Lindl.) Lindl. in Paxton's Fl. Gard. 2: 5, t.39. 1851. [Pearce and Cribb, Fl. Bhutan, 3(3): 357-358. 2002]

Habitat: Epiphytic; *Fl.* October-November.

Darjeeling (Mongpu, Pedong, near Rambh Chhu).

P. praecox (J.E. Smith) D. Don, Prodr. Fl. Nepal.: 37. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 358. 2002]

Habitat: Epiphytic; *Fl.* September-November (-December).

Darjeeling (Kurseong, Phalut, Senchal, Sureil).

Pomatocalpa Breda

Pomatocalpa bambusarum (King & Pantling) Garay in Bot. Mus. Leaflet. 23(4): 190. 1972. [Pearce and Cribb, Fl. Bhutan, 3(3): 545-546. 2002]

Habitat: Epiphytic; *Fl.* May.

Darjeeling (Nimbong).

P. undulatum (Lindl.) T. Tang & F.T. Wang in Acta. Phytotax. Sin. 1(1-2): 100. 1951. [Pearce and Cribb, Fl. Bhutan, 3(3): 548. 2002]

Habitat: Epiphytic; *Fl.* March.

Darjeeling (Rishep).

Porpax Lindl.

Porpax elwesii (Rchb. f.) Rolfe in Orchid Rev. 16: 8. 1908. [Pearce and Cribb, Fl. Bhutan, 3(3): 386-388. 2002]

Habitat: Epiphytic; *Fl.* September-October.

Darjeeling (Mongpu).

P. fibuliformis (King & Pantling) King & Pantling in Ann. Roy. Bot. Gard. (Calcutta) 8: 114, t.157. 1896. [Pearce and Cribb, Fl. Bhutan, 3(3): 388. 2002]

Habitat: Epiphytic; *Fl.* October.

Darjeeling (Sivoke).

Rhomboda Lindl.

Rhomboda lanceolata (Lindl.) Ormerod in Orchadian 11(7): 329. 1995. [Pearce and Cribb, Fl. Bhutan, 3(3): 107-108. 2002]

Habitat: Terrestrial; *Fl.* August-September.

Darjeeling (Ambyok).

Rhynchostylis Bl.

Rhynchostylis retusa (L.) Bl. Bijdr. Bijdr.: 286, t.49. 1825. [Pearce and Cribb, Fl. Bhutan, 3(3): 551-552. 2002]

Habitat: Epiphytic; *Fl.* May-July.

Darjeeling (Buxa reserved forest), Darjeeling/Sikkim (Great Rangit river).

Satyrium Sw.

Satyrium nepalense D. Don, Prodr. Fl. Nepal: 26. 1825. var. *nepalense* [Pearce and Cribb, Fl. Bhutan, 3(3): 193. 2002]

Habitat: Terrestrial; *Fl.* August-October.

Darjeeling (Tonglu).

Satyrium nepalense D. Don, Prodr. Fl. Nepal: 26. 1825. var. *ciliatum* (Lindl.) Hook. f. [Pearce and Cribb, Fl. Bhutan, 3(3): 194-195. 2002]

Habitat: Terrestrial; *Fl.* July-September.

Darjeeling (Senchal).

Schoenorchis Rinwardt

Schoenorchis gemmata (Lindl.) J.J. Smith in Natuurk. Tijdschr. Ned. Indie. 72: 100. 1912. [Pearce and Cribb, Fl. Bhutan, 3(3): 557-558. 2002]

Habitat: Epiphytic; *Fl.* May-June.

Darjeeling/Sikkim (Great Rangit river).

Smitinandia Holttum

Smitinandia micrantha (Lindl.) Holttum in Gard. Bull. Singapore 25: 106. 1969. [Pearce and Cribb, Fl. Bhutan, 3(3): 559-560. 2002]

Habitat: Epiphytic; *Fl.* March-May.

Darjeeling (unlocalised Cowan specimen).

Spiranthes L.C. Richard

Spiranthes sinensis (Persoon) Ames, Orchidaceae 2: 53. 1908. [Pearce and Cribb, Fl. Bhutan, 3(3): 116-118. 2002]

Habitat: Terrestrial; *Fl.* March-October.

Darjeeling (Tonglu, Church Hill? Rishap, Rongsong).

Sunipia Lindl.

Sunipia scariosa Lindl., Gen. Sp. Orchid. Pl.: 179. 1833. [Pearce and Cribb, Fl. Bhutan, 3(3): 488. 2002]

Habitat: Epiphytic; *Fl.* April-July.

Darjeeling (Relli).

Taeniophyllum Bl.

Taeniophyllum retrospiculatum (King & Pantling) King & Pantling in Ann. Roy. Bot. Gard. (Calcutta) 8: 244, t.325. 1898. [Pearce and Cribb, Fl. Bhutan, 3(3): 565-567. 2002]

Habitat: Epiphytic; *Fl.* May-June.

Darjeeling (Rayeng Valley). On mossy tree trunk in steep, moist, mixed *Pinus*/Lithocarpus forest.

Tainia Bl.

Tainia minor Hook. f., Fl. Brit. India 5(2): 821. 1890; Icon. Pl. 21: t.2091. 1892. [Pearce and Cribb, Fl. Bhutan, 3(3): 318. 2002]

Habitat: Terrestrial; *Fl.* May.

Darjeeling (Lopchu, Mahaldiram, Senchal).

Thelasis Bl.

Thelasis longifolia Hook. f., Fl. Brit. India 6(1): 87. 1890; Icon. Pl. 22: t.2155. 1894. [Pearce and Cribb, Fl. Bhutan, 3(3): 397-399. 2002]

Habitat: Epiphytic; *Fl.* April-July.

Darjeeling (unlocalised Cowan specimen).

T. pygmaea (Griff.) Bl., Fl. Javae Nov. ser.: 22. 1858. [Pearce and Cribb, Fl. Bhutan, 3(3): 399. 2002]

Habitat: Epiphytic; *Fl.* August-September.

Darjeeling (unlocalised Griffith specimen).

Thunia Rchb. f.

Thunia alba (Lindl.) Rchb. f. in Bot. Zeitung (Berlin) 10: 764. 1852.

var. *alba*; [Pearce and Cribb, Fl. Bhutan, 3(3): 321-322. 2002]

Habitat: Epiphytic; *Fl.* March-August (-November).

Darjeeling (Pankhabari, near Rambi Chhu).

Trichotosia Bl.

Trichotosia dasyphylla (Parish & Rchb. f.) Kranzlin in Engler, Pflanzenr. (IV.50) Dendrob.: 138. 1911.

[Pearce and Cribb, Fl. Bhutan, 3(3): 389-390. 2002]

Habitat: Epiphytic; *Fl.* April-June.

Darjeeling (Pankhabari).

T. pulvinata (Lindl.) Kranzlin in Engler, Pflanzenr. (IV.50) Dendrob.: 138. 1911. [Pearce and Cribb, Fl. Bhutan, 3(3): 390-391. 2002]

Habitat: Epiphytic; *Fl.* March-May; *Fr.* May.

Darjeeling (Kurseong).

Tropidia Lindl.

Tropidia angulosa (Lindl.) Bl., Coll. Orchid.: 122. 1859. [Pearce and Cribb, Fl. Bhutan, 3(3): 71-72. 2002]

Habitat: Terrestrial; *Fl.* September-November.

Darjeeling (Rayeng).

T. curculigioides Lindl., Gen. Sp. Orchid. Pl.: 497 (1840). [Pearce and Cribb, Fl. Bhutan, 3(3): 73. 2002]

Habitat: Terrestrial; *Fl.* May.

Darjeeling (Buxa).

Uncifera Lindl.

Uncifera acuminata Lindl. in J. Proc. Linn. Soc., Bot. 3: 40. 1859. [Pearce and Cribb, Fl. Bhutan, 3(3): 570. 2002]

Habitat: Epiphytic; *Fl.* July-September.

Darjeeling (unlocalised Gamble specimen).

U. lancifolia (King & Pantling) Schltr. Orchideen ed.1: 583. 1914. [Pearce and Cribb, Fl. Bhutan, 3(3): 570-572. 2002]

Habitat: Epiphytic; *Fl.* June-July.

Darjeeling (Rississum).

Vanda Jones ex R. Br.

Vanda cristata Lindl., Gen. Sp. Orchid. Pl.: 216. 1833. [Pearce and Cribb, Fl. Bhutan, 3(3): 574-575. 2002]

Habitat: Epiphytic; *Fl.* April-June.

Darjeeling (Kalimpong).

V. pumila Hook. f., Fl. Brit. India 6(1): 53. 1890. [Pearce and Cribb, Fl. Bhutan, 3(3): 577. 2002]

Habitat: Epiphytic; *Fl.* May.

Darjeeling (unlocalised Gammie specimen).

Vandopsis Pfitzer

Vandopsis undulata (Lindl.) J.J. Smith in Natuurk. Tijdschr. Ned.-Indie. 72: 77. 1912. [Pearce and Cribb, Fl. Bhutan, 3(3): 578-580. 2002]

Habitat: Epiphytic; *Fl.* April-May.

Darjeeling (Happy Valley, Kalimpong).

Zeuxine Lindl.

Zeuxine flava (Wall. ex Lindl.) Trimen. Syst. Cat. Fl. Pl.: 90. 1885. [Pearce and Cribb, Fl. Bhutan, 3(3): 111-112. 2002]

Habitat: Terrestrial; *Fl.* March-May.

Darjeeling (Mongpu).

Z. goodyeroides Lindl., Gen. Sp. Orchid. Pl.: 486. 1840. [Pearce and Cribb, Fl. Bhutan, 3(3): 111-113. 2002]

Habitat: Terrestrial; *Fl.* July-October.

Darjeeling (Mahaldiram, Observatory Hill (F.E.H.2)).

Z. reflexa King & Pantling in Ann. Roy. Bot. Gard. (Calcutta) 8: 291, t.388. 1898. [Pearce and Cribb, Fl. Bhutan, 3(3): 114-115. 2002]

Habitat: Terrestrial; *Fl.* April-May.

Darjeeling (Mongpu).

Results and Discussion

There are 90 genera with 283 Orchid species reported from Darjeeling. Of them, 42 genera with 167 species are epiphytic, 44 genera and 107 species are terrestrial 3 genera with 4 species are saprophytic and the rest 3 genera with 5 species are partial/semi saprophytic in habitat. Of them, the genus *Cymbidium* and *Liparis* fall both in epiphytic and terrestrial habitat. *Bulbophyllum* is the most dominating genus in the region represented with 25 species. It is followed by *Dendrobium* 22 spp., *Chusua* 17 spp., *Eria* 14 spp., *Liparis* 14 spp., *Calanthe* 11 spp., *Coelogyne* 11 spp., *Cymbidium* 11 spp., *Gastrochilus* 8 spp., *Peristylus* 9 spp., *Platanthera* 9 spp., *Malaxis* 7 spp., *Habenaria* 6 spp., *Pholidota* 6 spp., *Herminium* 5 spp., *Odontochilus* 4 spp., *Phalaenopsis* 4 spp., *Pleione* 4 spp., *Cleisostoma* 3 spp., *Epigenium* 3 spp., *Eulophia* 3 spp., *Goodyera* 5 spp., *Ione* 3 spp., *Oberonia* 7 spp., *Otochilus* 3 spp., *Phaius* 3 spp., *Androcorys* 2 spp., *Aphyllorchis* 2 spp., *Cryptochilus* 2 spp., *Esmeralda* 2 spp., *Galeola* 2 spp., *Luisia* 2 spp., *Nephelaphyllum* 2 spp., *Papilionanthe* 2 spp., *Pomatocalpa* 2 spp., *Porpax* 2 spp., *Satyrium* 2 spp., *Trichotosia* 2 spp., *Tropidia* 2 spp., *Uncifera* 2 spp., *Vanda* 2 spp., *Zeuxine* 3 spp. and the other genera viz., *Acampe*, *Acanthephippium*, *Aerides*, *Agrostophyllum*, *Ania*, *Anoectochilus*, *Anthogonium*, *Apostasia*, *Arundina*, *Bulleyia*, *Cheirostylis*, *Chiloschista*, *Chrysoglossum*, *Chusua*, *Cremastra*, *Dicksonia*, *Didymoplexis*, *Diglyphosa*, *Diphylax*, *Diplomeris*, *Epipogium*, *Erithrodes*, *Flickingeria*, *Gastrodia*, *Geodorum*, *Gymnadenia*, *Herpysma*,

Hetaeria, *Listera*, *Mischobulbum*, *Myrmechis*, *Nervilia*, *Oreorchis*, *Ornithochilus*, *Panisea*, *Paphiopedilum*, *Pecteilis*, *Phreatia*, *Rhomboda*, *Rhynchostylis*, *Schoenorchis*, *Smitinandia*, *Spiranthes*, *Sunipia*, *Taeniophyllum*, *Tainia*, *Thelasis*, *Thunia* and *Vandopsis* possess single species distribution throughout Darjeeling district. Authors have made many changes in the nomenclature of genera and species. They have totally omit the genera *Crepidium* and *Microstylis* and placed or merged with genus *Malaxis*. Many species changed to other species viz., *Cymbidium pendulum* changed to *Cymbidium bicolor*; *Cymbidium longifolium* to *C. erythraeum* and *Cymbidium elegans* to *C. longifolium*; *Cymbidium giganteum* to *C. iridioides*; *Calanthe masuca* changed to *C. sylvatica*. *Tylostylis discolor* merged with genus *Eria* and named *Eria discolor* instead of *Tylostylis discolor* of earlier nomenclature. Similarly, *Coelogyne longipes* changed to *C. raizadae*; Many *Anoectochilus* species placed in the another genus *Odontochilus* viz., *Anoectochilus clarkei* to *Odontochilus clarkei*; *A. crispus* to *O. crispus*; *A. elwesii* to *O. elwesii*, *A. grandiflorus* to *O. grandiflorus*, *A. lanceolatus* to *O. lanceolatus*, *A. tortus* to *O. tortus*; *Dactylorhiza viridis* changed to *Coeloglossum viride*; many *Habenaria* species placed to the genus *Peristylus* and changed nomenclature like *Habenaria affinis* to *Peristylus affinis*; *Habenaria constricta* to *P. constrictus*; *H. elizabethae* to *P. elizabethae*; *H. fallax* to *P. fallax*; *H. goodyeroides* to *P. goodyeroides*; *H. hamiltoniana* to *P. hamiltonianus*; *H. lacertifera* to *P. lacertiferus*; *H. nematocaulon* to *P. nematocaulon*; *H. parishii* to *P. parishii*; *H. pseudophrys* to *P. pseudophrys*; *H. tipulifera* to *P. tipuliferus*; and many *Haberia* species further changed to the *Platanthera* and given the nomenclature as *Habenaria arcuata* to *Platanthera arcuata*; *H. bakeriana* to *P. bakeriana*; *H. biermanniana* to *P. biermanniana*; *H. clavigera* to *P. plavigera*; *H. cumminsiana* to *P. cumminsiana*; *H. dyeriana* to *P. dyeriana*; *H. edgeworthii* to *P. edgeworthii*; *H. latilabris* to *P. latilabris*; *H. leptocaulon* to *P. leptocaulon*; *H. pachycaulon* to *P. pachycaulon*; *H. sikkimensis* to *P. sikkimensis*; *H. stenantha* to *P. stenantha*; *Satyrium nepalense* to *S. nepalense* var. *nepalense* and *S. nepalense* var. *ciliatum*; *Malaxis nervosa* changed its generic status to *Liparis nervosa* var. *nervosa*; *M. odorata* to *L. odorata*; *M. caespitosa* to *L. caespitosa*; *M. viridiflora* to *L. viridiflora*; the genus *Tainia hookeriana* and *T. penangiana* changed to new genus *Ania penangiana*; *Liparis resupinata* var. *ridleyi* to *Liparis resupinata*; *Otochilus alba* var. *lancilabius* to *O. lancilabius*;

Pholidota articulata var. *griffithii* to *P. articulata*; *P. pallid* var. *sessilis* to *P. pallida*; *Agrostophyllum khasianum* to *A. planicaule*; *Bulbophyllum leopardinum* divides to 2 varieties var. *leopardinum* and var. *tuberculatum*; *Bulbophyllum cauliflorum* create var. *sikkimense*; the genus *Mastigion appendiculatum* shift to *Bulbophyllum appendiculatum*; *Rhytionanthos cornutum* changed to *B. helenae*; the genus *Saccolabium* omit and transferred more species to *Gastrochilus* and *Uncifera* viz., *Saccolabium affine* to *Gastrochilus affinis*; *S. obliquum* to *G. obliquus* var. *obliquus*, *S. acutifolium* to *G. acutifolius*; *S. calceolare* to *G. calceolaris*; *S. dasypogon* to *G. dasypogon*; *S. inconspicuum* to *G. inconspicuous*; *S. distichum* to *G. distichus*, *S. pseudodistichum* to *G. pseudodistichus*; *S. intermedium* to *G. intermedium* and *Saccolabium acuminatum* to *Uncifera acuminata*; *S. lancifolium* to *U. lancifolia*; *S. obtusifolium* to *U. obtusifolia*. The genus *Cirrhopetalum* completely merged with *Bulbophyllum* and *Kingidium* to *Phalaenopsis*. The work of Pearce and Cribb (2002) is praiseworthy in the taxonomic work on Orchids of Bhutan, and it provides clear ideas about the Orchids of Darjeeling and Sikkim also. This work emphasizes to put the great impetus for the further extension taxonomical works on the track of the Orchid flora of Darjeeling and Sikkim Himalayan region.

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