

ENUMERATION OF INDIAN FLOWERING PLANTS

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The Flora of British India by J. D. Hooker was published in seven volumes between 1872-1897. Since then, a large number of species have been discovered in different parts of India and the names of several species have also been changed. Many species described in the "Flora" have been differently treated by recent taxonomists with the result that in certain cases one species has been split up into two or more and in other cases one or more species have been merged into some other species. It is, therefore, keenly felt that a new and revised flora of India should be compiled for workers on Indian Plants. As a preliminary to that, the work of enumeration of Indian plants is taken up with an attempt to bring the nomenclature upto-date. Plants from Nepal, Sikkim and Bhootan have been included in this enumeration while those exclusively from Pakistan, Burma and Ceylon have been generally left out.

RANUNCULACEAE.

I CLEMATIS Linn.

Clematis acuminata DC. Syst. 1:148. 1818; D. Don Prodr. 192. 1825; Hk.f. F.B.I. 1:5. 1872; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:544. 1903.

Cl. trinervis Buch.-Ham. ex DC. Syst. 1:148. 1818.

Cl. acuminata var. *wallichii* Hk.f. et Thoms. in Hk.f. F.B.I. 1:6. 1872.

Distribution: Himalaya from Garhwal to Bhootan.

var. *sikkimensis* Hk.f. et Thoms. in Hk.f. F.B.I. 1:6. 1872.

Cl. acuminata ssp. *sikkimensis* Brühl in Ann. R.B.G. Cal. 5:75. 1896.

Cl. acuminata var. *normalis* et var. *clarkei* O. Ktz. Monogr. Clematis 167. 1885.

Distribution: Sikkim, Bhootan, Assam and Burma.

Clematis acutangula Hk.f. & Thoms. Fl. Ind. 5. 1855; Hk.f. F.B.I. 1:3. 1872; O.Ktz. Monogr. Clematis 158. 1885; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:544. 1903.

Distribution: Assam-Khasia.

Clematis alternata Kita. et Tam. in Acta. Phytotax. Geobot. 15:129. 1954.

Dist. Nepal.

Clematis apiculata Hk.f. & Thoms. F.B.I. 1:4. 1872; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:531. 1903.

Cl. apiifolia DC. var. *apiculata* (Hk.f. et Thoms.) O. Ktz. Monogr. Clematis, 151. 1885.

Distribution: Assam.

Clematis barbellata Edgw. in Trans. Linn. Soc. 20:25. 1851. Hk.f. F.B.I. 1:3. 1872; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:551. 1903.

Cl. napaulensis Royle. III. 51. 1839 non DC.

Cl. japonica O. Ktz. (pro parte, as to Indian plants) Monogr. Clematis 159. 1885.

Distribution: Western temperate Himalaya.

var. *obtusata* Kita. et Tam. in Kihara F.F. Nep. Him: 1957.

Distribution: Nepal.

Clematis bourdillonii Dunn in Kew Bull. 1914:181. 1914.

Distribution: S. India.

Clematis buehneriana DC. Syst. 1:140. 1818.

Cl. buehneriana Hk.f. & Thoms. Fl. Ind. 10. 1855; Hk.f. F.B.I. 1:6. 1872 var. *rugosa* only; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:541. 1903.

Cl. buehneriana ssp. *normalis* et *alata* O. Ktz. Monogr. Clematis 130. 1885.

Distribution: Kashmir to Assam, temperate region.

Clematis cadmia Buch.-Ham. ex Wall. ex Hk.f. & Thoms. Fl. Ind. 5. 1855; Hk.f. F.B.I. 1:2. 1872; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:554. 1903.

Cl. bracteata (Roxb.) Kurz. in Journ. As. Soc. Beng. 43:2:43. 1874; O.Ktz. Monogr. Clematis 139. 1885.

Distribution: Nepal to Assam at lower elevations; Burma.

Clematis connata DC. Prodr. 1:4. 1824; Hk.f. F.B.I. 1:6. 1872; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:547. 1903.

Cl. buehneriana var. *connata* O. Ktz. Monogr. Clematis 130. 1885.

Distribution: Kashmir to Sikkim; Tibet.

Clematis gouriana Roxb. Fl. Ind. 2:670. 1832; DC. Syst. 1:139. 1818 et Prodr. 1:3. 1824; Hk.f. F.B.I. 1:4. 1872.

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Cl. vitalba Linn. ssp. *gouriana* O. Ktz. Monogr. Clematis 100. 1885 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:532. 1903.

Cl. floribunda Kurz in Journ. Bot. 5: 240. 1867.

Distribution: Throughout India in plains and upto an elevation of 1000 mtr. Ceylon, Burma, Eastwards to the Philippines.

Clematis grata Wall. Plant. Asiat. Rar. 1:t 98. 1830 ; Hk.f. F.B.I. 1:3. 1872.

Cl. vitalba ssp. *grata* O. Ktz. Monogr. Clematis 100. 1885 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:532. 1903.

Cl. cordata Royle. III. 51. 1839.

Distribution: N. W. Himalaya in subtropical and temperate regions, Nepal, Afghanistan, China.

Clematis graveolens Lindl. in Journ. Hort. Soc. 1. 207. 1846 ; Hk.f. F.B.I. 1:4. 1872.

Cl. parviflora Hk.f. & Thoms. F. Ind. 9. 1855.

Cl. orientalis var. *graveolens* O. Ktz. Monogr. Clematis 124. 1885.

Distribution: N. W. Himalaya in temperate region.

Clematis grewiaeflora DC. Syst. 1:140. 1818 ; D. Don Prodr. 191. 1825 ; Hk.f. F.B.I. 1:6. 1872 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50: 542. 1903.

Cl. buchanania var. *grewiaeflora* O.Ktz. Monogr. Clematis 130. 1885.

Distribution: Subtropical Himalaya, Assam, Burma. var. *glabrata* Kita. et Tam. in Kihara F.F. Nep. Him. 1:128. 1857.

Distribution: Nepal

Clematis hedysarifolia DC. Syst. 1:148. 1818 ; Hk.f. F.B.I. 1:4. 1872 ; O.Ktz. Monogr. Clematis 150. 1885 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:529. 1903.

Cl. naravelioides O.Ktz. Monogr. Clematis 119. 1885. Distribution: S. India.

Clematis loasaefolia DC. Syst. 1:140. 1818 ; O.Ktz. Monogr. Clematis, 166. 1885 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:542. 1903.

Distribution: Nepal, Sikkim.

Clematis loureiriana DC. Syst. 1:144. 1818 ; Merr. Intr. Lour. Fl. Coch. 154. 1935.

Cl. smilacifolia Wall. As. Researches 14:402. 1820 ; Hk.f. F.B.I. 1:3. 1872 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:529. 1903.

Cl. subpeltata Wall. Pl. As. Rar. 1:t. 20. 1830.

Cl. affinis Wight. III. 1:5. 1845.

Cl. glandulosa Bl. Bijdr. 1:1. 1825.

Cl. smilacina Bl. Bijdr. 1:1. 1825.

Distribution: Sikkim and Assam, Burma, Eastwards to the Philippines.

Clematis montana Buch.-Ham. ex DC. System. 1:164. 1818 et Prodr. 1:9. 1824 ; Royle III. Him. Bot. 51. 1839 ; Wall. Pl. As. Rar. 3:t. 217. 1830 ; Hk.f. F.B.I. 1:2. 1872 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:524. 1903.

Cl. anemoneiflora D. Don. Prodr. Fl. Nep. 192. 1825.

Cl. punduana Wall. Cat. 4862.

Anemone curta Wall. Cat. 4690.

ssp. 1. *normalis* O.Ktz. Monogr. Clematis 141. 1885.

vars. *edentata*, *incisa*, *pubescens*, *angustifolia*, *brevifolia* ; *obtusisepala*, *flavida*, *rebens*, *nutantifolia*, *uniflora* & *brevipedunculata* O.Ktz. Monogr. Clematis 141. 1885.

Distribution: Kashmir to Assam, 1500-4000 mtr.

var. *grandiflora* Hook. in Bot. Mag. 17. (new Series): 4061. 1844 ; P. Brühl in Ann. R.B.G. Cal. 5:74. 1896.

var. *anemoniflora* O.Ktz. Monogr. Clematis 141. 1885.

Distribution: Kashmir to Assam, at temperate regions.

ssp. 2. *sinchugica* O. Ktz. Monogr. Clematis 141. 1885.

var. *tongluensis* et *khasiana* P. Brühl. in Ann. R.B.G. Cal. 5:74. 1896.

Distribution: Sikkim, Khasia.

ssp. 3. *praecox* O.Ktz. Monogr. Clematis 142. 1885.

var. *herbacea* O.Ktz. Monogr. Clematis 142. 1885.

Distribution: Sikkim.

Clematis munroana Wight. III. 1:5. 1. 1855 ; Gambfl. Fl. Madras, 1:3. 1915.

Cl. smilacifolia Hk.f. & Thoms. in Hk.f. F.B.I. 1:3. 1872 in part.

Cl. smilacifolia ssp. *munroana* O.Ktz. Monogr. Clematis 120. 1885.

Distribution: S. India.

Clematis napaulensis DC. Syst. 1:164. 1868 ; Hk.f. F.B.I. 1:2. 1872 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:526. 1903.

Cl. montana D. Don Prodr. Fl. Nep. 192. 1825 non Buch.-Ham. ex DC.

Distribution: Punjab to Bhootan.

Clematis orientalis Linn. Sp. Pl. 543. 1753 ; DC. Prodr. 1:3. 1818 ; Hk.f. F.B.I. 1:5. 1872 ; O.Ktz. Monogr. Clematis 123. 1885 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:540. 1903.

var. 1. *longicaudata* (Ledeb) Mukerjee Comb. nov.

Cl. tenuifolia Royle III. 51. 1839 non Poir.

Cl. parvifolia Edgw. in Trans. Linn. Soc. 20:25. 1851.

Cl. ispanhanica Boiss. Dign. 1:6:3. 1845.

Cl. longicaudata Ledeb. Fl. Ross. 1:3. 1842.

Cl. orientalis var. *acutifolia* Hk.f. & Thoms. in Fl. Ind. 9. 1855, et in F.B.I. 1:5. 1872.

Distribution: N. W. Himalaya, Afghanistan, Persia, W. Tibet.

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- var. 2. *glauca* (Willd.) Mukerjee Comb. nov.
Cl. glauca Willd. Enum. Pl. Horti Berol. 583. 1809.
Cl. orientalis var. *obtusifolia* Hk.f. & Thoms. in Fl. Ind. 9. 1855. et in F.B.I. 1:5. 1872.
 Distribution: N. W. Himalaya.
 var. 3. *globosa* (Royle) Mukerjee Comb. nov.
Cl. globosa Royle Ill. 51. 1839.
Cl. orientalis var. *latifolia* Hk.f. & Thoms. Fl. Ind. 9. 1855.
Cl. albida Klotzsch in Bot. Ergeb. Waldem. Raise 131.
 Distribution: N. W. Himalaya.
- Clematis puberula* Hk.f. & Thoms. F.B.I. 1:4. 1872.
Cl. parviloba Garden et Champ. var. *puberula* O.Ktz. Monogr. Clematis 148. 1885.
 Distribution: Himalaya in temperate regions, Assam.
- Clematis roylei* Rehder in Journ. Arn. Arb. 22:575. 1941.
Cl. nutans Royle Ill. 51. 1839 ; Hk.f. F.B.I. 1:5. 1872 ; OKtz. Monogr. Clematis 129. 1889 (all Indian varieties).
 Distribution: Himalaya from Simla to Sikkim, Assam, Chota Nagpur.
- Clematis theobromina* Dunn in Kew Bull. 1914:181. 1914 ; Gamble Fl. Madras 1:3. 1915.
 Distribution: S. India.
- Clematis tortuosa* (Wall. ex Hk.f. & Thoms.) C.E.C. Fischer in Kew Bull. 1929: 4. 1929.
Cl. buchnaniana var. *tortuosa* and var. *vitifolia* Wall. ex Hk.f. & Thoms. F.B.I. 1:6. 1872.
 Distribution: Nepal, Assam.
- Clematis triloba* Heyn. in Roth. Nov. sp. 251 ; DC. Prodr. 1:8. 1824 ; Hk.f. F.B.I. 1:3. 1872 ; Finet & Gagnep. in Bull. Soc. Bot. Fr. 50:526. 1903.
 Distribution: W. India.
- Clematis wightiana* Wall. ex Wight & Arnott Prodr. 2: 1834 ; Hk.f. F.B.I. 1:5. 1872 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 50:541. 1903.
Cl. orientalis var. *wightiana* O.Ktz. Monogr. Clematis 125. 1885.
 Distribution: S. India.
- Clematis zemuensis* W. W. Smith in Records B.S.I. 4:166. 1911.
 Distribution: Sikkim.

II NARAVELIA DC

- Naravelia zeylanica* DC Syst. 1:167. 1818 ; Hk.f. F.B.I. 1:7. 1872.
Atragene zeylanica Linn. Sp. Pl. 542. 1753.
Clematis zeylanica Poir. Ency. Suppl. 2:296. 1811 ; Prantl. in Engl. & Prantl. Pflanzen f. 3:2:63. 1891.
 Distribution: Throughout India in the plains and lower elevation in the hills, Ceylon, Burma.

III ANEMONE Linn.

- Anemone coronaria* Linn. Sp. Pl. 539. 17539 ; DC. Syst. 196. 1818. et Prodr. 1:18. 1824 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 51:60. 1904.
 var. *biflora* (DC) Finet et Gagnep. in Bull. Soc. Bot. Fr. 51:60. 1904.
A. biflora DC. Syst. 1:201. 1818 et Prodr. 1:19. 1824 ; Hk.f. F.B.I. 1:7. 1872.
 Distribution: Kashmir ; Asia Minor, Persia, Turkestan.
- Anemone elongata* D. Don Prodr. 194. 1825 ; Hk.f. F.B.I. 1:10. 1872 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 51:71. 1904.
 Distribution: Himalaya, Assam.
- Anemone falconeri* Thoms. et Hook. Ic. Pl. t. 899. 1852 ; Hk.f. F.B.I. 1:8. 1872 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 51:66. 1904.
 Distribution: West Temperate Himalaya.
- Anemone griffithii* Hk.f. & Thoms. Fl. Ind. 31. 1855 ; Hk.f. F.B.I. 1:8. 1872. Finet et Gagnep. in Bull. Soc. Bot. Fr. 51:71. 1904.
 Distribution: East Himalaya, N. Assam.
- Anemone narcissifolia* Linn. Sp. Pl. 542. 1753.
A. narcissiflora Linn. Sp. Pl. 763. 1762 ; DC. Syst. 1:212. 1818, et Prodr. 1:21. 1824 ; Hk. f. F.B.I. 1:10. 1872.
 Distribution: Kashmir ; W. Asia, Europe, Sibiria, West N. America.
 var. (1) *fasciculata* (L). DC. Syst. 1:213. 1818 ; Kita. et Tam. in Kihara Fna. Fl. Nep. Him. 1:126. 1955.
A. fasciculata Linn. Sp. Pl. 542. 1753.
 Distribution: Nepal ; W. Asia.
 var. (2) *demissa* Finet et Gagnep. in Bull. Soc. Bot. Fr. 51:74. 1904.
A. demissa Hk.f. et Thoms. Fl. Ind. 12. 1855 ; Hk.f. F.B.I. 1:9. 1872.
 Distribution: E. Himalaya, alpine region.
 var. (3) *polyanthes* Finet et Gagnep. in Bull. Soc. Fr. 51:75. 1904.
A. polyanthes D. Don Prodr. 194. 1825 ; Hk.f. F.B.I. 1:9. 1872.
A. villosa Royle Ill. 52. 1839.
 Distribution: Himalaya in temperate and alpine regions.
- Anemone obtusiloba* D. Don Prodr. 194. 1825 ; Hk.f. et Thoms. Fl. Ind. 22. 1855 ; Hk.f. F.B.I. 1:8. 1872 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 51:62. 1904.
 ssp. *obtusiloba* Brühl in Ann. R.B.G. Cal. 5:78. 1896.
A. discolor Royle Ill. 52. t. 11. f.1. 1839.

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Distribution: Temperate and alpine Himalaya ; Gligit, Yunnan.

ssp. *omalocarpella* Brühl in Ann. R.B.G. Cal. 5:78. 5:78. 1896.

Distribution: Nepal.

Anemone ovalifolia (Brühl) Handl. Mazz. Symb. Sin. 7:315. 1931.

A. obtusiloba ssp. *ovalifolia* Brühl in Ann. R.B.G. Cal. 5:78. 1896.

Distribution: Kumaon, Phari ; Tibet, China.

Anemone pulsatilla Linn. Sp. Pl. 539. 1753 ; DC. Syst. 1:191. 1818, et Prodr. 1:17. 1824.

A. albama Stev. in Mem. Soc. Hist. Nat. Mosc. 3:264. 1820 ; DC. Prodr. 1:17 1824 ; Hk.f. & Thoms. Fl. Ind. 19. 1855 ; Hk.f. F.B.I. 1:7. 1872.

A. wallichiana Royle Ill. 52. 1839.

Distribution: Kashmir ; W. Tibet, N. Asia, West Asia, S.E. Europe.

Anemone rivularis Buch.-Ham. ex DC. Syst. 1:211. 1818 ; D. Don Prodr. 193. 1825 ; Royle Ill. 52. 1839 ; Hk.f. & Thoms. Fl. Ind. 23. 1855 ; Hk.f. F.B.I. 1:9. 1872 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 51: 72. 1904.

A. wightiana Wight & Arn. Prodr. 3. 1834.

Distribution: India and Ceylon in temp. region.

Anemone rupestris Wall. ex. Hk.f. & Thoms. Fl. Ind. 21. 1855 in part ; Hk.f. F.B.I. 1:9. 1872 ; Brühl in Ann. R.B.G. Cal. 5:79. 1896.

Distribution: Nepal and Sikkim in alpine region.

Anemone rupicola Camb. in Jaq. Voy. Ind. Bot. 5. 1844 ; Hk.f. & Thoms. Fl. Ind. 20. 1855 ; Hk.f. F.B.I. 1:8. 1872. Finet. et Gagnep. in Bull. Soc. Bot. Fr. 51:65. 1904.

Distribution: Alpine Himalaya.

Anemone saxicola (Brühl) Kita. et Tam. in Kihara Fna. Fl. Nep. Him. 1:125. 1955.

A. obtusiloba ssp. *saxicola* Brühl. in Ann. R.B.G. Cal. 5:78. 1896.

A. rupestris Hk.f. & Thoms. Fl. Ind. 21. 1855 in part ; Hk.f. F.B.I. 1:9. 1872 in part.

Distribution: Kashmir, Nepal.

Anemone tetrasepala Royle Ill. 53. 1839 ; Hk.f. & Thoms. Fl. Ind. 24. 1855 ; Hk.f. F.B.I. 1:10 1872 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 51.71. 1904.

Distribution: Kashmir ; Afghanistan.

Anemone trullifolia Hk.f. & Thoms. Fl. Ind. 22. 1855 ; Hk.f. F.B.I. 1:9. 1872 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 51:71. 1904.

A. obtusiloba ssp. *trullifolia* Brühl in Ann. R.B.G. Cal. 5:77. 1896.

Distribution: E. Himalaya in alpine region.

Anemone vitifolia Buch.-Ham. ex DC. Syst. 1:211. 1818 ; Hk.f. & Thoms. Fl. Ind. 20. 1855 ; Hk.f. F.B.I. 1:8. 1872 ; Finet et Gagnep. in Bull. Soc. Bot. Fr. 51:68. 1904.

Distribution: Temp. Himalaya, N. Assam.

(To be continued)