

FLORA OF BANGLADESH

NO. 40

POTAMOGETONACEAE

EDITORS

**MD. SALAR KHAN
and
M. MATIUR RAHMAN**

June 1989

By
**M. S. KHAN
and
MAHBUBA HALIM**

**BANGLADESH NATIONAL HERBARIUM
BANGLADESH AGRICULTURAL RESEARCH
COUNCIL**

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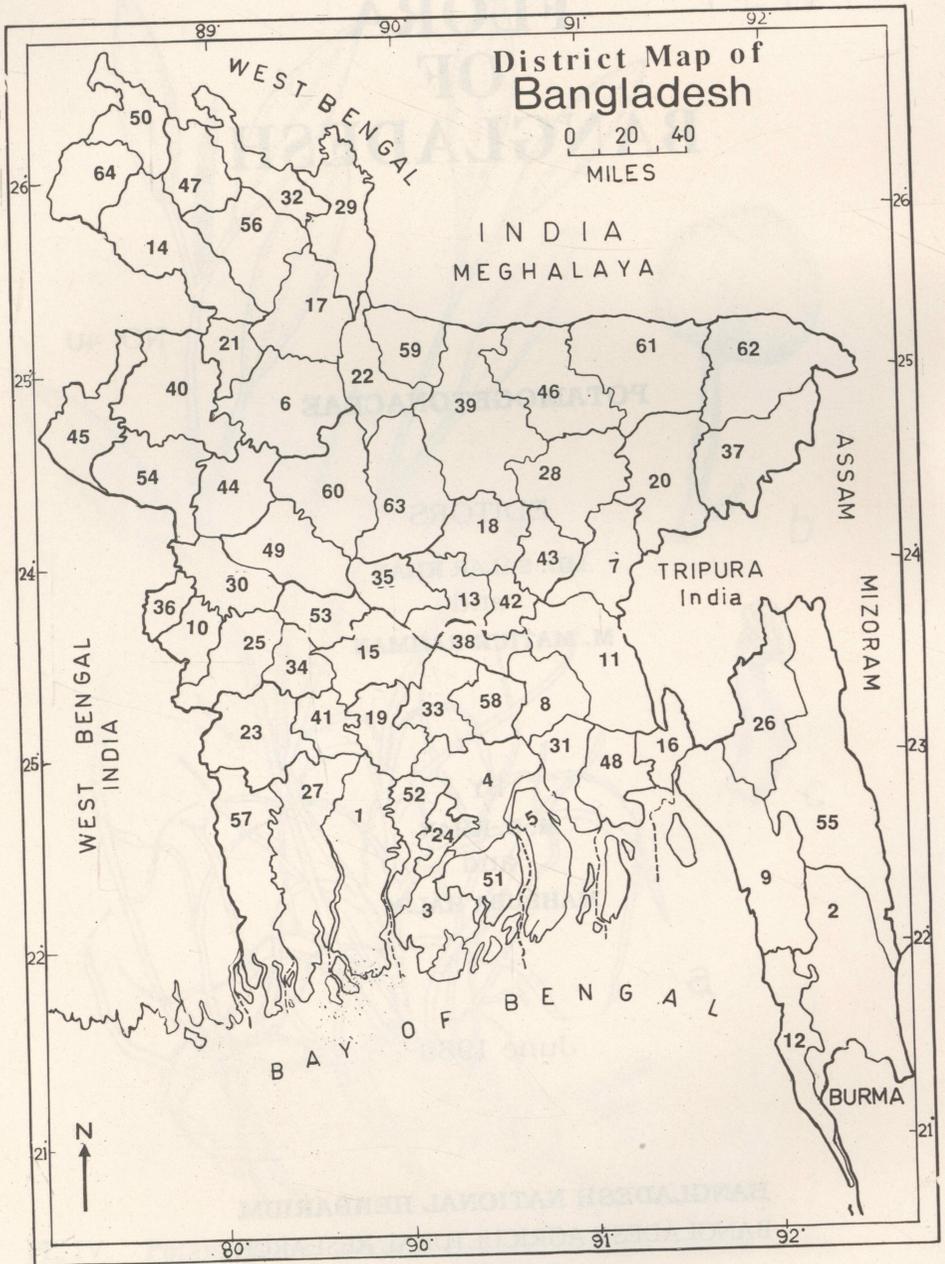
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List of Districts

The serial numbers correspond to those given in the map.

- | | |
|------------------|------------------|
| 1. Bagerhat | 33. Madaripur |
| 2. Bandarban | 34. Magura |
| 4. Barisal | 36. Meherpur |
| 5. Bhola | 37. Moulvi Bazar |
| 6. Bogra | 38. Munshiganj |
| 7. Brahamanbaria | 39. Mymensingh |
| 8. Chandpur | 40. Naogaon |
| 9. Chittagong | 41. Narail |
| 10. Chuadanga | 42. Narayanganj |
| 11. Comilla | 43. Narsingdi |
| 12. Cox's Bazar | 44. Natore |
| 13. Dhaka | 45. Nawabganj |
| 14. Dinajpur | 46. Netrakona |
| 15. Faridpur | 47. Nilphamari |
| 16. Feni | 48. Noakhali |
| 17. Gaibandha | 49. Pabna |
| 18. Gazipur | 50. Pachagarh |
| 19. Gopalganj | 51. Patuakhali |
| 20. Habiganj | 52. Pirojpur |
| 21. Jaipurhat | 53. Rajbari |
| 22. Jamalpur | 54. Rajshahi |
| 23. Jessore | 55. Rangamati |
| 24. Jhalakati | 56. Rangpur |
| 25. Jhenaidaha | 57. Satkhira |
| 26. Khagrachari | 58. Shariatpur |
| 27. Khulna | 59. Sherpur |
| 28. Kishoreganj | 60. Sirajganj |
| 29. Kurigram | 61. Sunamganj |
| 30. Kushtia | 62. Sylhet |
| 31. Lakshmipur | 63. Tangail |
| 32. Lalmonirhat | 64. Thakurgaon |

POTAMOGETONACEAE

M. S. Khan and Mahbuba Halim

Submerged aquatic herbs. Rootstocks creeping, usually rooting at the lower nodes. Stem branched. Leaves alternate, opposite or whorled, simple, entire, obtuse. Inflorescence of axillary spikes, emerged or submerged. Tepals 4. Stamens 4. Carpels 4, ovary superior, style short, stigmas sessile. Fruit of 4, somewhat compressed drupelets. Seeds with well developed hypocotyl and no endosperm.

POTAMOGETON L.,

Sp. Pl. : 126 (1753).

Leaves submerged or floating, alternate or opposite, entire or toothed, with sheathing bases, stipules intrafoliaceous. Spike rising from a membranous spathe. Tepals green, valvate. Anthers sessile on the segments, didynamous. Carpels sessile, 1-celled, 1-ovuled, ovule campylotropous, stigma persistent. Drupelets coriaceous or spongy. Seed reniform.

- | | |
|--|-------------------|
| 1. All leaves submerged | 2 |
| - Upper leaves floating | 4 |
| 2. Leaves lanceolate | 3 |
| - Leaves narrowly linear. Stipules adnate to leaf-sheaths | pectinatus |
| 3. Leaves sessile, semi-amplexicaul at base | crispus |
| - Leaves distinctly petiolate, truncate or cuneate at base | mucronatus |
| 4. Submerged leaves lanceolate | nodosus |
| - Submerged leaves linear | octandrus |

P. crispus L., Sp. Pl. : 126 (1753). Hook. f., Fl. Brit. Ind. 6 : 566 (1893); Prain, Beng. Pl. : 845 (1903), rep. (1963). Pl. I.

A perennial, rhizomatous herb. Stem slender, compressed, usually dichotomously branched. Leaves broadly linear to oblong, undulate, translucent, serrate, 3-5 veined, usually oblong, rarely acute, stipules free. Flowers 6-8. Tepals c. 1.5 mm long, broadly

obovate. Drupelets c. 5.0 mm long, obliquely ovoid. *Fl. & Fr.* 1-2. *Submerged in ponds, lakes, ditches, beels and haors.*

Chudanga : Alamdanga, G. K. Project canal, 3 i 1976, *Huq, Rahman & Mia* H. 1878. **Dhaka** : Jatrabari, 14 i 1971, *A. M. Huq* 27; Savar, 8 ii 1986, *Miki*. **Moulvi Bazar** : Hayil Haor, 17 i 1979, *Khan & Rahman* K. 5353. **Pabna**: Baghabari ghat, 12 i 1974, *Khan & Huq* K. 3512. **Rajshahi**: Charghat, near Sardah, 6 ii 1973, *A. M. Huq* 791.

All over the country. Plains of India, Himalayas, Bhutan and in general temperate and subtropical regions.

P. mucronatus Presl, *Epimel. Bot.*: 245(1949). Hook. f., *Fl. Brit. Ind.* 6: 567(1893); Prain, *Beng. Pl.* : 845(1903), rep. (1963). Pl. II.

Perennial herbs. Leaves many nerved, undulate, mucronate, blade twice or thrice as long as the petiole, stipules much longer than the petiole, lanceolate. Peduncle very long, spike of interrupted groups or whorls of flowers, c. 2.5 mm long. *Fl. & Fr.* 11-12. *In ponds, lakes, beels, ditches and low lands.*

Dhaka : Taraboo, Panchruthi, 16 ix 1973, *Khan & Huq* K. 3096; Buriganga river, 4 ix 1977, *Khan, Rahman & Mahbuba* K. 4568.

Throughout the country. Malesian region.

P. nodosus Poir. in Lamk. *Encycl. Meth. Bot. Suppl.* 4: 535 (1816). Subramanyam, *Aqua. Angios.* : 95 (1962); *P. indicus* Roxb. *Fl. Ind.* 1: 452 (1832), *non* Roth ex Roem. *et* Schult. (1818); Hook. f., *Fl. Brit. Ind.* 6: 565(1893); Prain, *Beng. Pl.*: 845(1903), rep. (1963). Pl. III.

A rhizomatous perennial with stout, terete, branched stems. Leaves floating, coriaceous, lanceolate or elliptic-oblong, cuneate, rounded at the base, many nerved, submerged leaves soon decaying, leaving remnants of petioles, ligules free. Peduncle long, spikes dense

LIST OF FAMILIES PUBLISHED

- | | |
|----------------------|----------------------|
| 1. Aizoaceae | 27. Martyniaceae |
| 2. Avertroaceae | 28. Molluginaceae |
| 3. Avicenniaceae | 29. Moringaceae |
| 4. Basellaceae | 30. Nymphaeaceae |
| 5. Bixaceae | 31. Ochnaceae |
| 6. Buddlejaceae | 32. Onagraceae |
| 7. Burmanniaceae | 33. Orobanchaceae |
| 8. Burseraceae | 34. Oxalidaceae |
| 9. Butomaceae | 35. Pedaliaceae |
| 10. Cannabidaceae | 36. Peperomiaceae |
| 11. Caricaceae | 37. Phytolaccaceae |
| 12. Casuarinaceae | 38. Polemoniaceae |
| 13. Ceratophyllaceae | 39. Pontederiaceae |
| 14. Commelinaceae | 40. Potamogetonaceae |
| 15. Convolvulaceae | 41. Punicaceae |
| 16. Dichapetalaceae | 42. Rhizophoraceae |
| 17. Dipterocarpaceae | 43. Ruppiaceae |
| 18. Elatinaceae | 44. Salicaceae |
| 19. Flagellariaceae | 45. Sonneratiaceae |
| 20. Fumariaceae | 46. Sphenocleaceae |
| 21. Haloragaceae | 47. Stylidiaceae |
| 22. Hydrocharitaceae | 48. Trapaceae |
| 23. Hydrophyllaceae | 49. Tropaeolaceae |
| 24. Juncaceae | 50. Tumeraceae |
| 25. Linaceae | 51. Zannichelliaceae |
| 26. Loranthaceae | 52. Zygophyllaceae |
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