

FLORA OF BANGLADESH

NO. 45

COSTACEAE

EDITORS

MD. SALAR KHAN
and
M. MATIUR RAHMAN

June 1990

By
MD. MANZURUL KADIR MIA
and
MOHAMMAD MAHFUZUR RAHMAN

BANGLADESH NATIONAL HERBARIUM
BANGLADESH AGRICULTURAL RESEARCH
COUNCIL

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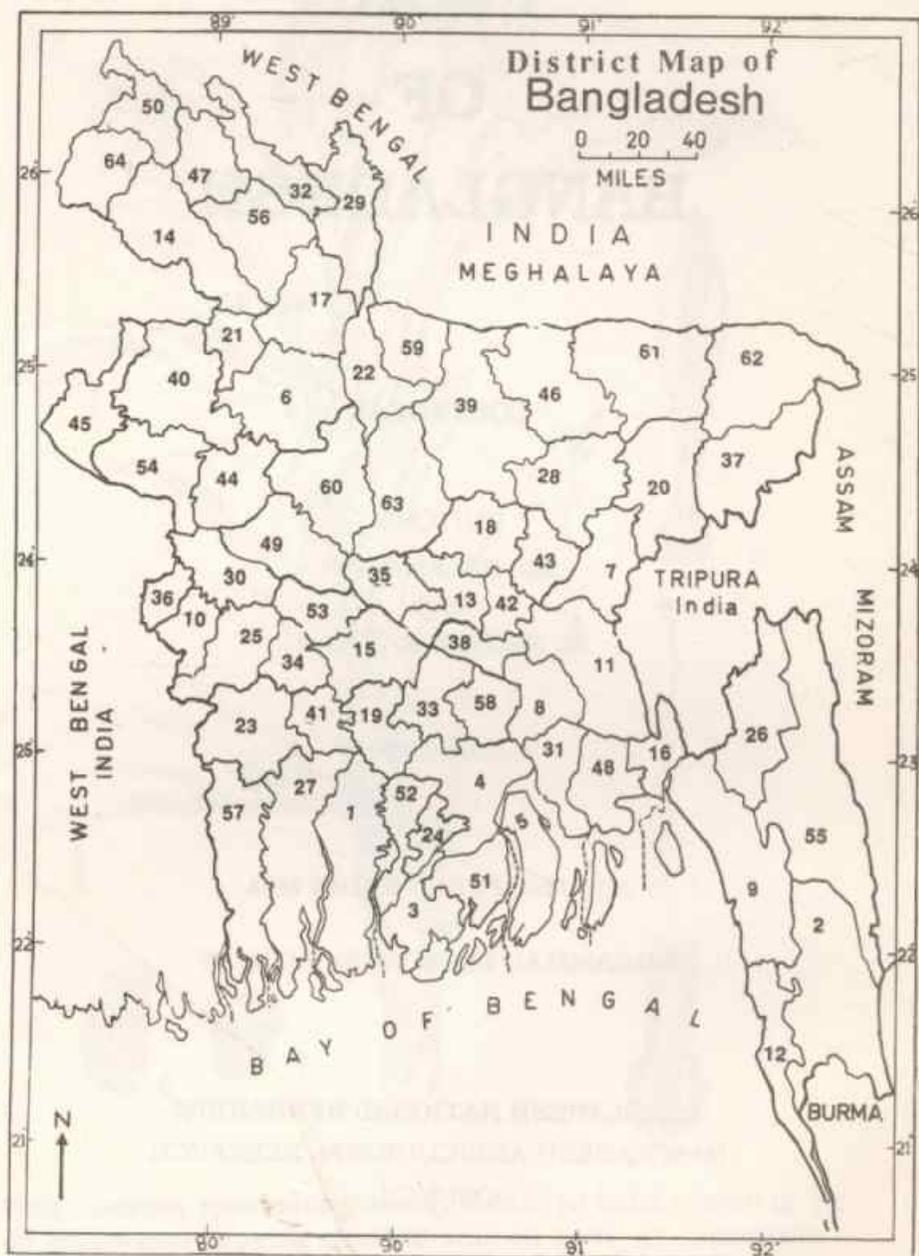
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List of Districts

The serial numbers correspond to those given in the map.

- | | |
|------------------|------------------|
| 1. Bagerhat | 33. Madaripur |
| 2. Bandarban | 34. Magura |
| 3. Barguna | 35. Manikganj |
| 4. Barisal | 36. Meherpur |
| 5. Bhola | 37. Maulvi 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. Panchagarh |
| 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. Jhenaïdaha | 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 |

COSTACEAE

M. M. K. Mia and M. Mahfuzur Rahman

Tall perennial herbs with creeping, tuberous root-stock and twisting stem, aerial part not aromatic. Leaves simple, spirally arranged, short-petioled, alternate or 4-ranked with tubular, ligulate closed sheaths, venation striate. Inflorescence a dense, terminal, conelike spike, with spirally arranged bract. Flowers bisexual. Sepals forming a short tube. Petals 3, unequal with one petaloid lobe. Functional stamen 1, staminodes 2, anther loculicidal, often apically appendiculate. Ovary 3-celled with a depressed supra-septal nectary with axile placentation or 2-celled with parietal placentation.

COSTUS L.,

Sp. Pl. : 2 (1753); Gen. Pl. ed. 5 : 2 (1754).

Herbs with long, leafy stems. Leaves oblong, with broad sheaths. Flowers in dense, globose or ovoid, usually terminal heads, rarely produced direct from the root-stock on a short peduncle. Calyx with 3 ovate teeth. Corolla 3 lobed, flat, one lobe forming a petaloid structure, tube not longer than the calyx. Filament of the perfect stamen forming with the connective an oblong, petaloid process, with the contiguous linear, 2 celled anther situated in it's middle. Two staminodes combined in large, petaloid, sub-orbicular or obovate, marginally cuspid, large, ovate labellum with incurved margins, other staminodes minute or obsolete. Ovary inferior, 3-celled, ovules many, axile, superposed, style filiform, erect, stigma with a crescent shaped depression, ciliated round the margin. Fruit a subglobose or irregularly dehiscent capsule, tardily opening on one side

LIST OF FAMILIES PUBLISHED

Sl. No.	Fl. No.	Sl. No.	Fl. No.
1. Alzooaceae	34	29. Loranthaceae	33
2. Averrhoaceae	18	30. Martyniaceae	1
3. Avicenniaceae	31	31. Molluginaceae	17
4. Basellaceae	2	32. Moringaceae	2
5. Bixaceae	35	33. Nymphaeaceae	9
6. Buddlejaceae	13	34. Ochnaceae	3
7. Burmanniaceae	38	35. Onagraceae	6
8. Burseraceae	36	36. Orobanchaceae	21
9. Butomaceae	2	37. Oxalidaceae	15
10. Cannabidaceae	14	38. Pedaliaceae	2
11. Caricaceae	1	39. Peperomiaceae	37
12. Cassythaceae	43	40. Phytolaccaceae	1
13. Casuarinaceae	1	41. Plumbaginaceae	42
14. Ceratophyllaceae	10	42. Polemoniaceae	2
15. Commelinaceae	4	43. Pontederiaceae	24
16. Convolvulaceae	30	44. Potamogetonaceae	40
17. Costaceae	45	45. Punicaceae	22
18. Dichapetalaceae	23	46. Rhizophoraceae	7
19. Dipterocarpaceae	25	47. Ruppiaceae	19
20. Elatinaceae	39	48. Salicaceae	20
21. Flagellariaceae	3	49. Sonneratiaceae	12
22. Fumariaceae	3	50. Sphenocleaceae	5
23. Haloragaceae	8	51. Stemonaceae	41
24. Hydrocharitaceae	28	52. Stylidiaceae	32
25. Hydrocotylaceae	44	53. Trapaceae	27
26. Hydrophyllaceae	1	54. Tropaeolaceae	3
27. Juncaceae	29	55. Turneraceae	3
28. Linaceae	26	56. Zannichelliaceae	11
		57. Zygophyllaceae	16

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