

# FLORA OF BANGLADESH

NO. 8

HALORAGACEAE

EDITOR

M. SALAR KHAN

June, 1978

By

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And  
Mahbuba Khanam

BANGLADESH NATIONAL HERBARIUM  
MINISTRY OF ENVIRONMENT AND FOREST  
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Department of Botany  
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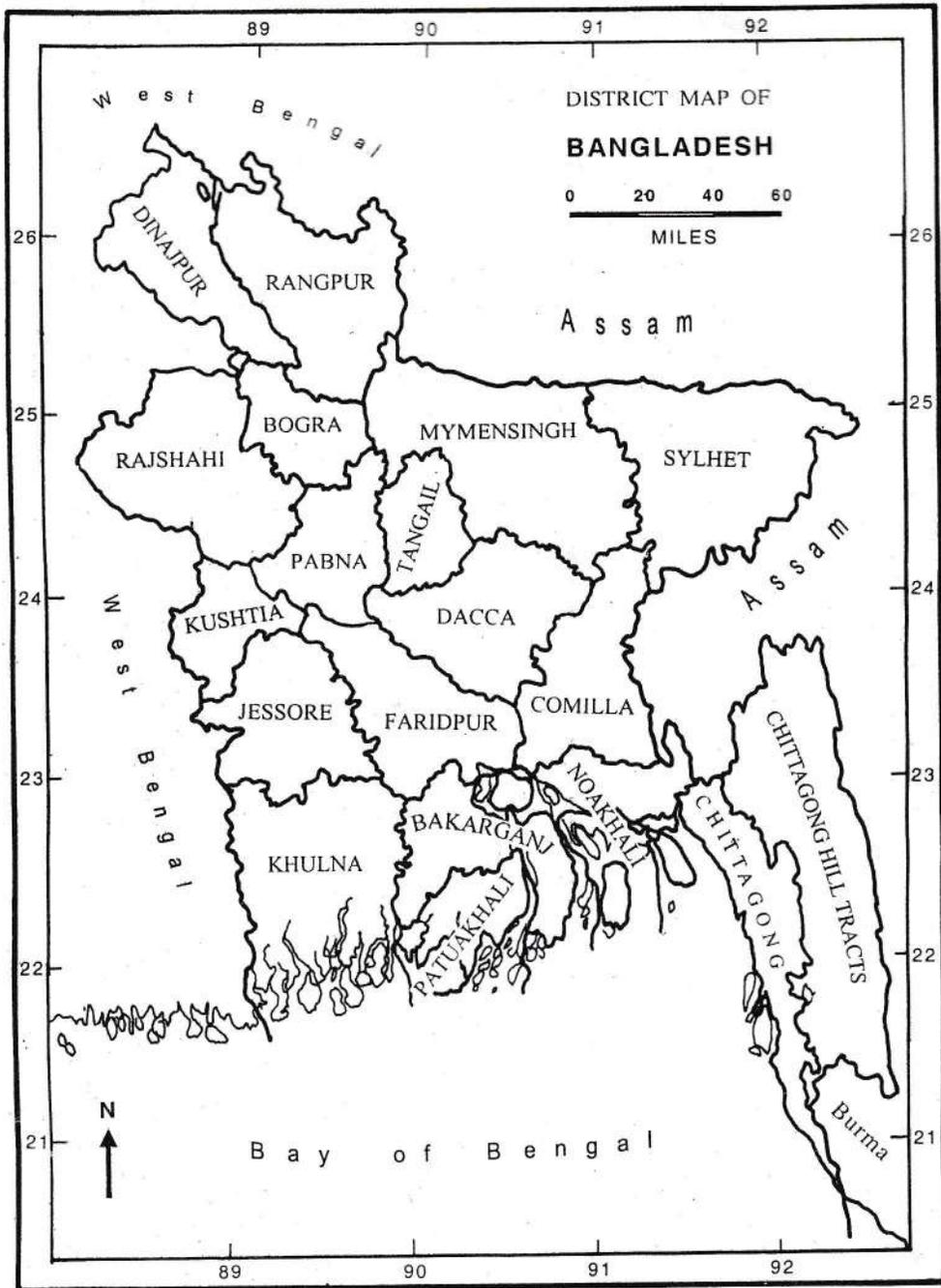
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## HALORAGACEAE

M. S. Khan and Mahbuba Khanam

Floating aquatic herbs or marsh plants. Leaves simple or pinnatifid, opposite or whorled, some times partly alternate, exstipulate or the stipules reduced to scales or an ochreate sheath. Flowers usually unisexual (the plants being monoecious or some time polygamomonoecious), actinomorphic, axillary, solitary or clustered, sessile, less often pedicelled, often minute. Sepals connate in a calyx with tube adnate to ovary, lobes 2, 4 or 0 or imperfect in male flowers. Petals 2, 4, or 0, concave, usually larger than calyx lobes, imbricate or valvate, deciduous. Stamens 1-8, the outer series, when present, opposite the petals, epigynous in the hermaphrodite flowers; anthers 2-locular, basifixed, dehiscence longitudinal, lateral. Ovary 1- to 4-celled, inferior; styles 1-4, fimbriate or simple; ovules 1-4, pendulous from apex of locule. Fruit a small nut or drupaceous, 1- to 4-celled, indehiscent, or separating into 1-seeded cocci. Seeds 4 or more, rarely 1, with a straight, cylindrical or obcordate embryo, and with endosperm.

### MYRIOPHYLLUM L., Sp. Pl.: 992 (1753)

- |   |                     |
|---|---------------------|
| 1. Fruit acutely ridged along carpel backs,<br>closely beset with pointed tubercles     | <b>tuberculatum</b> |
| - Fruit with rounded ridges along carpel<br>backs, smooth or rarely distantly tubercled | <b>indicum</b>      |

**M. indicum** Willd., Sp. Pl. 4: 407 (1805). Hook. f., Fl. Brit. Ind. 2: 433 (1878); Prain, Beng. Pl. : 343 (1903), reprint (1963).

A floating aquatic herb with long stems and many submerged, lower pinnatifid leaves up to 5 cm long. Floral leaves up to 5mm long, narrow-lanceolate or linear-lanceolate, often pinnatifid, upper entire or crenate. Spikes in upper whorls of male flowers, lower of female. Stamens 4, c. 1.5 mm long. Female flower c. 1 mm long, stigmas fimbriate. Fruit c. 1 × 2 mm, carpels 4, rounded on the back but separated by wide furrows, finely tubercled or more commonly quite smooth and glabrous. *Fl. & Fr.* 1-12. *In ponds, jheels, and low land marshes.*

**Dacca:** Dacca, Taraboo, 16 ix 1973, *Khan and Huq* K. 3099; Kurmitola, 13 xi 1963, *Abdul Ghani* 86.

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