

FLORA OF BANGLADESH

NO. 11

ZANNICHELLIACEAE

EDITOR

M. SALAR KHAN

July 1979

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And
Mahbuba Khanam

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ZANNICHELLIACEAE

M. S. Khan and Mahbuba Halim

Perennial aquatic herbs, submerged in fresh, brackish or salt water. Stems leafy, slender, simple or cymosely branched with slender rootstock. Leaves opposite, alternate or more or less whorled, linear or filiform, entire, base sheathing. Flowers minute, unisexual, naked, axillary, both sexes enclosed together in a membranous, deciduous spathe. Male flower 1-staminate, without perianth. Female flower 1- to 9-pistillate, with a cupular, hyaline perianth. Carpels sessile, style long, slender, stigma oblique, peltate, crenate, ovule solitary, pendulous, orthotropous. Fruit a sessile or stipitate, sub-reniform, crested achene. Seed pendulous, without endosperm.

ZANNICHELLIA L.

Sp. Pl. : 969 (1753).

Z. palustris L., ssp. *pedicellata* Wahlenberg and Rosen in Nov. Act. Upsal. 8 : 227, 254 (1821). Hook. f., Fl. Brit. Ind. 6 : 568 (1893); Prain, Beng. Pl. : 846 (1903), reprint (1963); Subramanyam, Aqua. Angio. : 96 (1962). Pl. I

Monoecious, rhizomatous, submerged herbs. Flowers c. 2.1 mm long, spathe hyaline, c. 1 mm, each spathe enclosing 1 male and 4-6 female flowers. Male flower with c. 2.1 mm long stamen; anther with prolonged connective. Female flower of 1 carpel, c. 2 mm long, unilocular; ovule 1; style very small in flower; stigma peltate, wavy. Fruit of 2-5 achenes, c. 8 mm long, pedicel c. 2 mm long, each achene curved, and dentate at the back. *Fl. & Fr.* 2-6. *In saline or fresh water.*

Rajshahi : Charghat near Sardah, 6 ii 1973, A. M. Huq 790.
Cosmopolitan in distribution,

LIST OF FAMILIES PUBLISHED

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