

Throughout Malesia. Throughout the Philippines, in forests along streams at low altitudes, up to 1200 m; in Mt. Makiling, Luzon, mostly along streams at low altitudes.

Com. name – *Loktob* (Tag., S.-L. Bis.).

Exsicc. – *Pancho CA 4380, 4381**; *Whitford CA 1952* (CAHP); *Amarillas BF 25123, 1294263*; *Mabesa BF 23559, 1375262*; *Elmer 18275* (US).

115. PUNICACEAE

Shrubs or small trees. Branchlets often spinescent. Leaves opposite, subopposite or clustered, entire. Flowers solitary or few together at ends of branchlets, large, bisexual, regular, short-pedicelled, reddish, calyx tube funnel-shaped, thickly coriaceous, adnate to ovary below, enlarge above ovary, 4-7 lobes persistent; petals as many as and inserted between calyx segments, thin, lanceolate, wrinkled; stamens numerous, inserted around mouth of calyx tube, inwardly bent in bud, spreadingly interlaced at anthesis; ovaries united with calyx tube, inferior, cells many, biseriately superposed; styles long, slender, bent; stigmas, capitate; ovules numerous in each cell. Fruits globose or short-ellipsoid, inferior berries with thick pericarp, crowned by persistent calyx segments; seeds triquetrous, brown, numerous.

Monotypic. Native of the Mediterranean region, but cultivated for its fruits in most tropical and subtropical regions.

1. *PUNICA* Linnaeus

Characteristics (Refer to family description).

1. *Punica granatum* L., Sp. Pl. 472, 1753; Merr., En. Philip. 3: 141, 1923; Sudiarto & Rifai, PROSEA 2: 270, *f. s.n.*, 1991. **Figure 149**

Leaves thinly coriaceous, narrowly oblong or broadly oblong-lanceolate, 6 x 2 cm or smaller, midribs conspicuous beneath, obscure lateral nerves faintly united at ends, obtusely rounded, base narrowed into a short petiole. Flowers glabrate; calyx fleshy, turbinate or campanulately elongated, shiny, reddish tinged, toothed, up to 2 cm in length; petals much longer, red or orange-yellow; styles thick, curved, exceeding stamens. Fruits fleshy, 5 cm in diameter, dull red, soft when mature; seeds angular, embedded in juicy meat.

Introduced early in the Philippines by the Spaniards; in most towns or farm settlements; in Mt. Makiling, Luzon, cultivated in commercial nurseries at Los Baños, Laguna.

Com. name – *Granada* (Sp.).

Exsicc. – *Gates CA 1954*; *Lugod CA 7027** (CAHP).

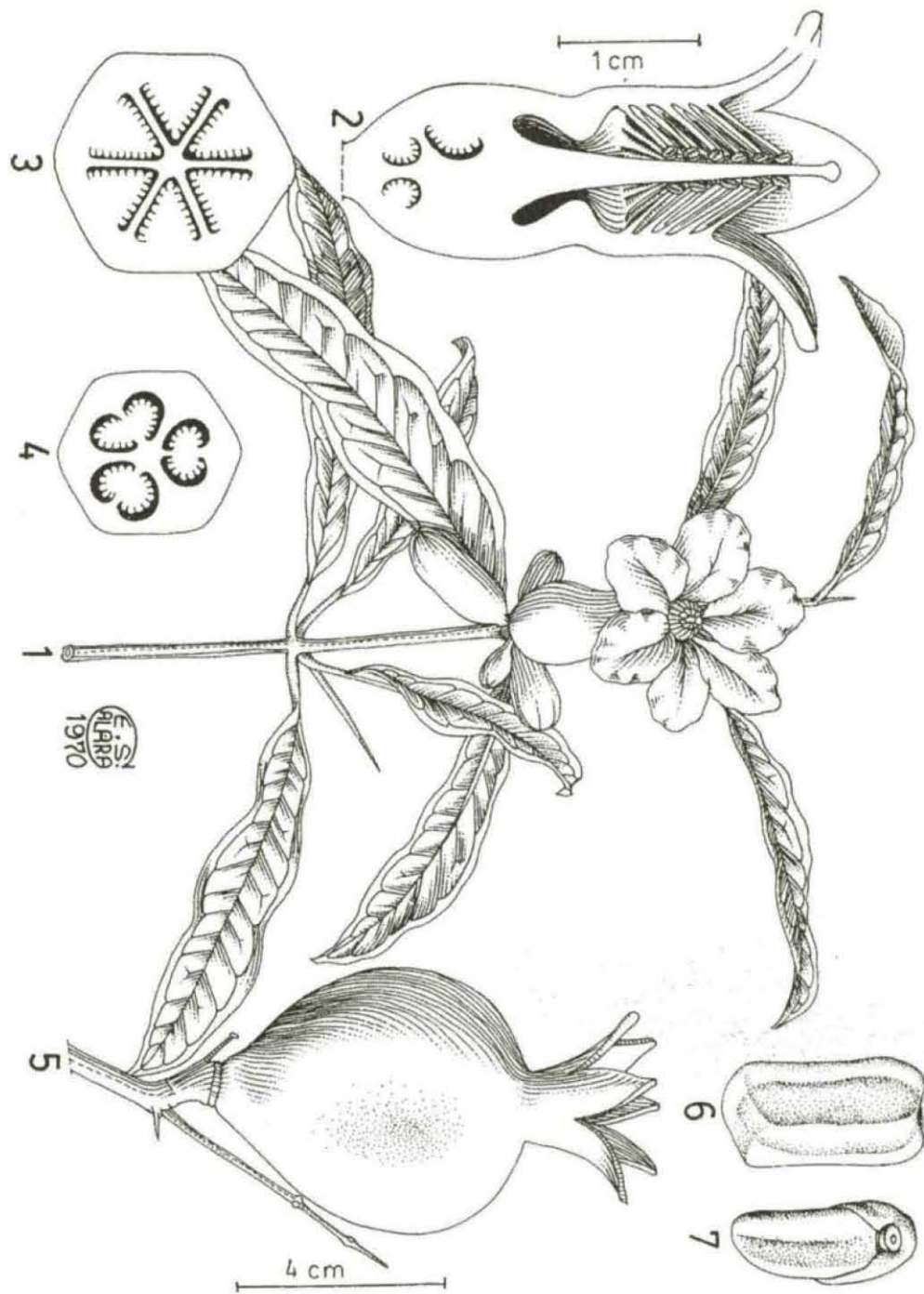


Figure 149. *Punica granatum*: 1. flowering branch; 2. flower, vertical section; 3. ovary, cross section at midportion; 4. ovary, cross section at lower half; 5. fruit; 6. seed, with mucilage; 7. seed, without mucilage.