

13. EMPETRUM Linnaeus, Sp. Pl. 2: 1022. 1753.

岩高兰属 yan gao lan shu

Min Tianlu (闵天禄 Ming Tien-lu); Arne Anderberg

Shrubs evergreen, small or creeping. Leaves densely verticillate, subverticillate, or decussate, sessile, margin entire; stipules absent. Inflorescences axillary on upper part of branchlets, 1–3-flowered; bracts (2–)4 or 5(or 6), scalelike. Flowers small, inconspicuous, unisexual (plants monoecious or dioecious). Sepals 3–6, imbricate in bud, petaloid. Petals absent. Stamens 3(–6), exerted; anthers 2-celled, longitudinally dehiscent. Ovary superior, subglobose, apically depressed, 6–9-loculed; ovules 1 per locule; style 1, short or indistinct; stigma 6–9(–12)-lobed. Fruit globose or subglobose, drupaceous; pericarp red, purple, or black when ripe, fleshy. Pyrenes 1 per locule, 1-seeded.

Two to several species: N temperate regions, South America (Andes), S Atlantic Islands (Falkland Islands, Tristan da Cunha); one species in China.

1. *Empetrum nigrum* Linnaeus var. *japonicum* K. Koch, Hort. Dendr. 89. 1853.

东北岩高兰 dong bei yan gao lan

Empetrum nigrum var. *asiaticum* Nakai ex H. Itô; *E. sibiricum* V. N. Vassiljev var. *japonicum* (K. Koch) Tzvelev.

Plants 20–50(–100) cm tall, much branched. Branchlets reddish brown; young branchlets puberulous. Leaves linear, 4–5 × 1–1.5 mm, glabrous, adaxially shiny and rugulose with im-

pressed midvein, margin slightly reflexed, glandular ciliate at first, apex obtuse. Bracts ovate, ca. 1 mm, margin ciliolate. Flowers sessile. Sepals 6; outer sepals ovate-orbicular, ca. 1.5 mm; inner sepals dark red, petaloid, lanceolate, as long as outer ones, apically involute. Stamens 3; filaments linear, ca. 4 mm; anthers small. Ovary ca. 0.6 × 0.8 mm, glabrous; style very short; stigma radially 6–8-lobed. Fruit subglobose, ca. 5 mm in diam., purplish red to black when ripe.

Forests, stony hills; 700–1500 m. N Heilongjiang, E Nei Mongol (Da Hingan Ling) [Japan, Korea, Mongolia, E Russia].

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